

FIG. 1

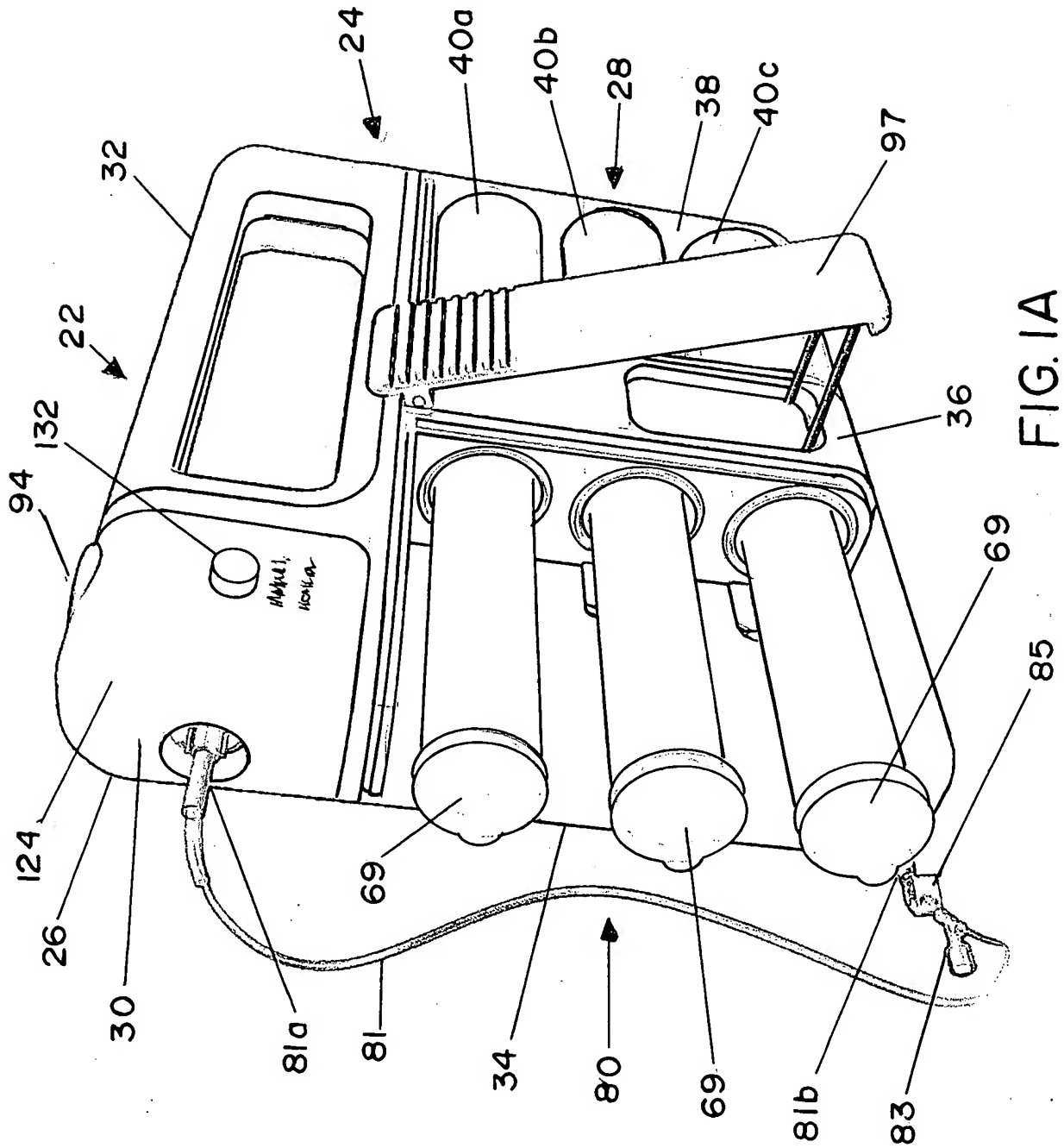


FIG. 1A

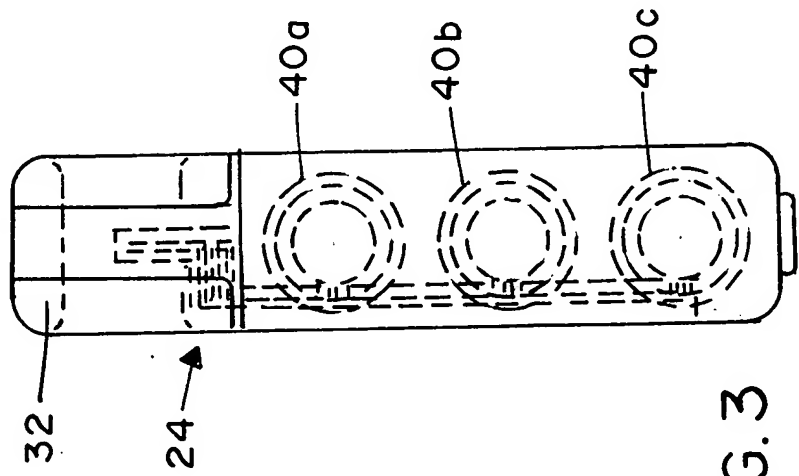
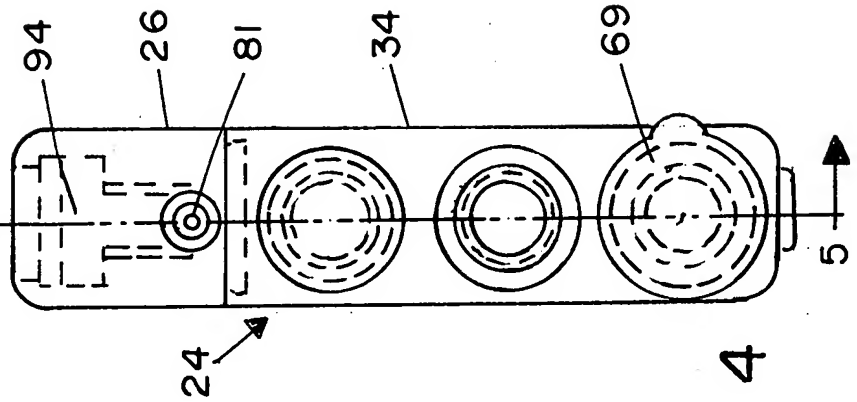
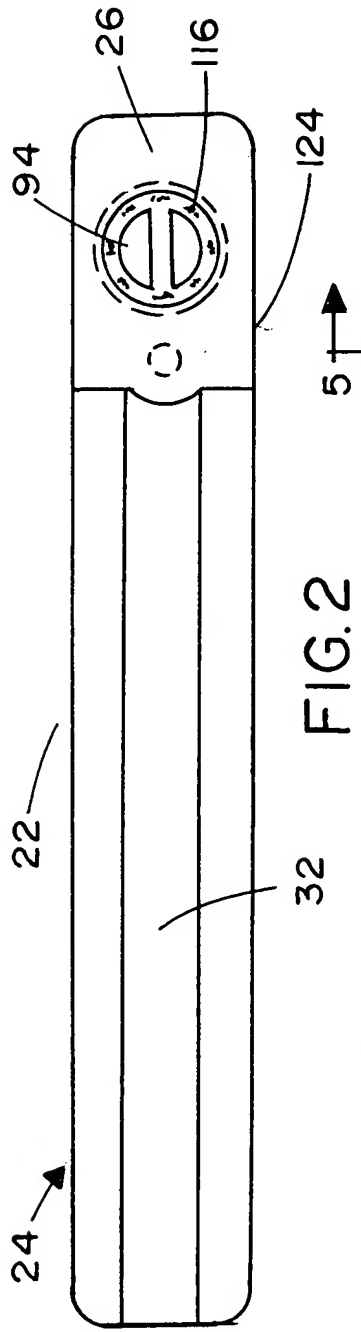




FIG. 5A

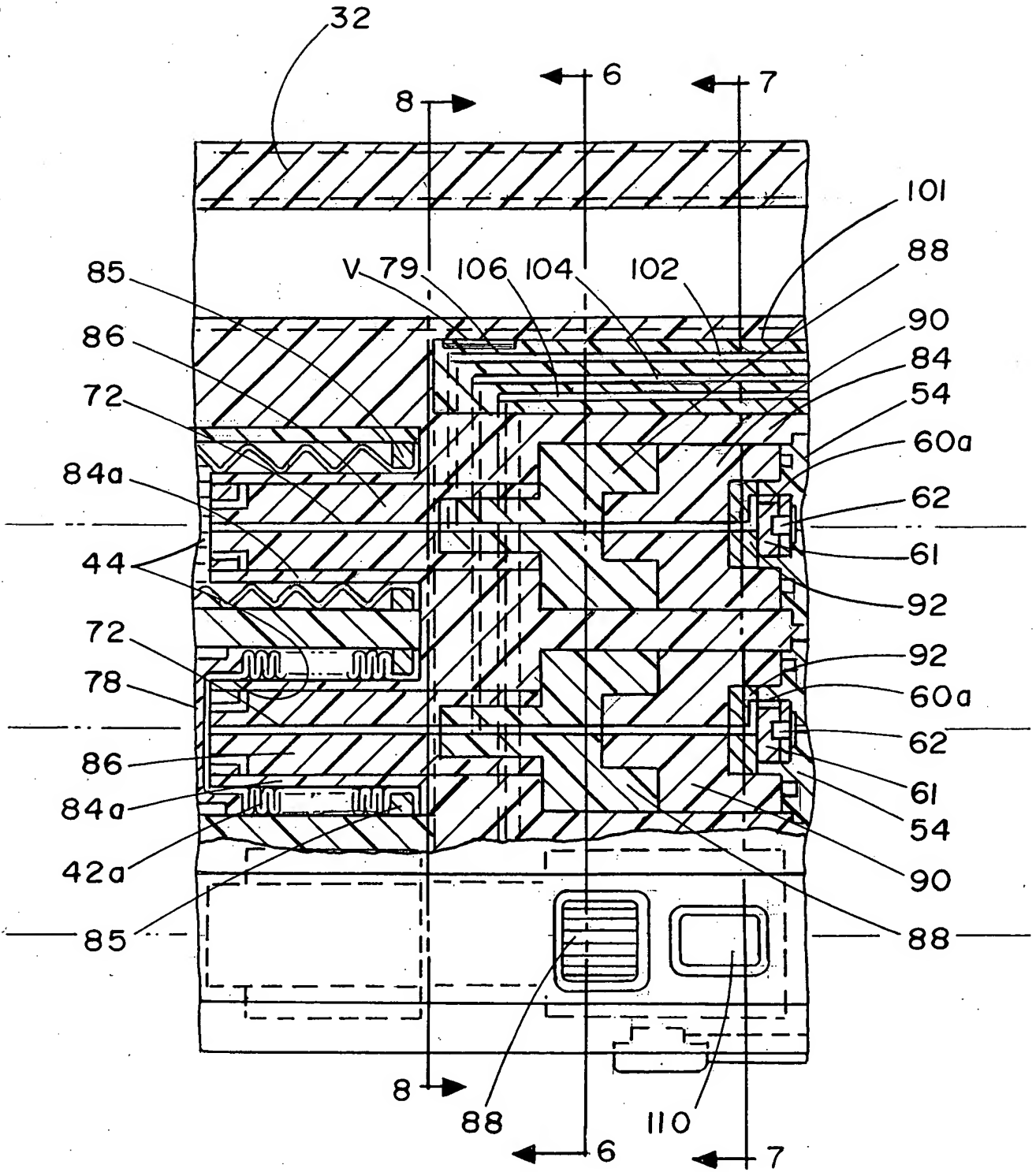


FIG. 5B

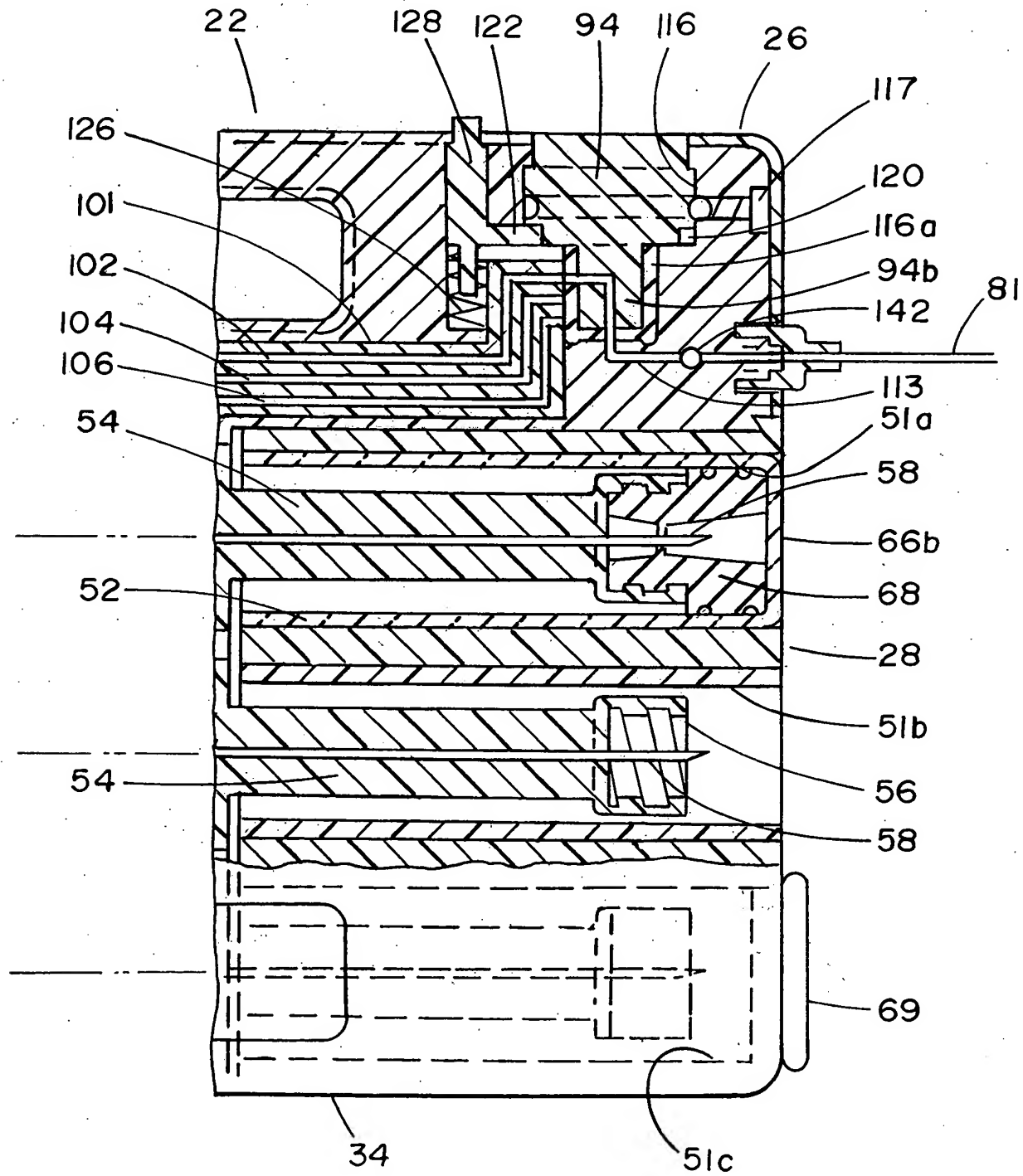


FIG. 5C

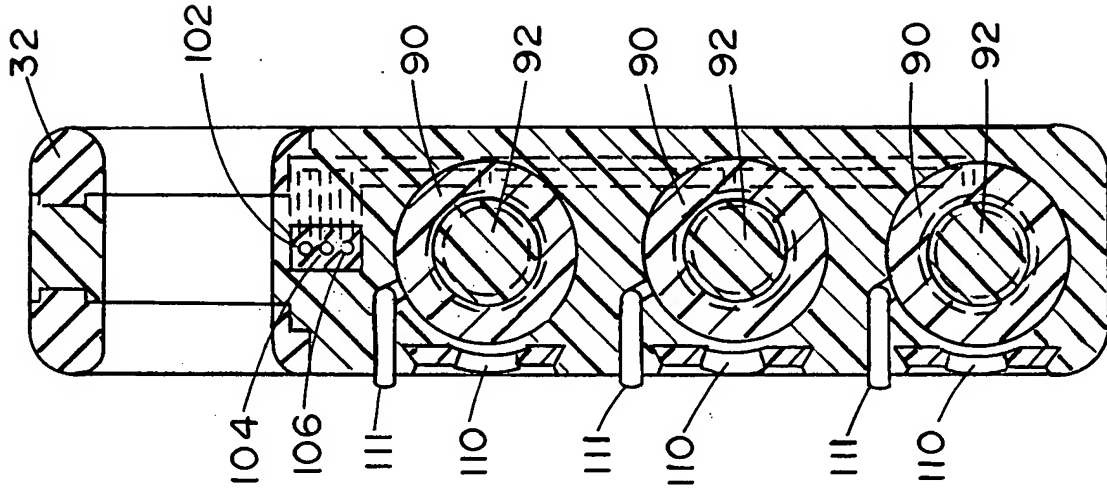


FIG. 7

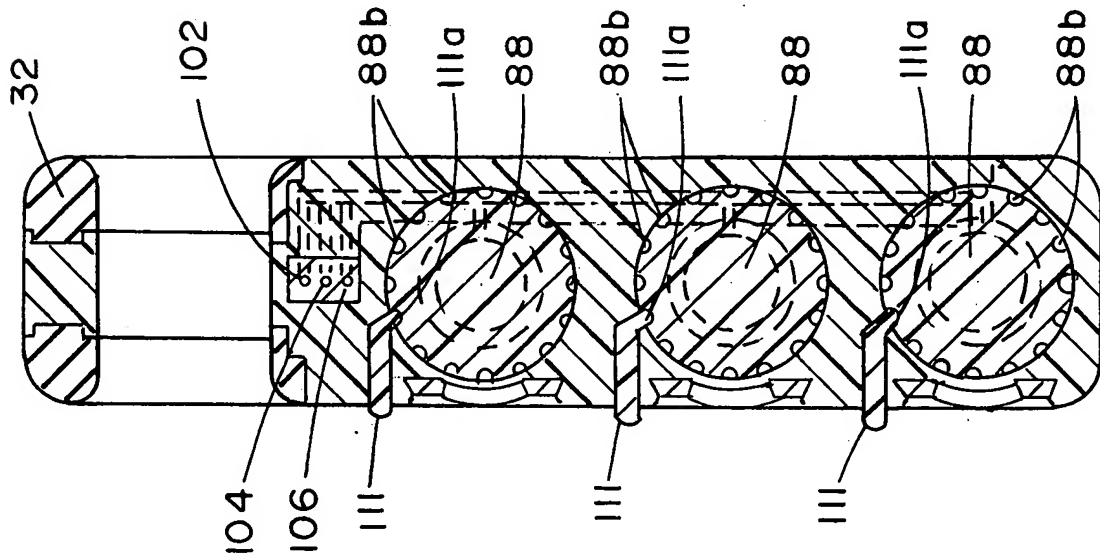


FIG. 6

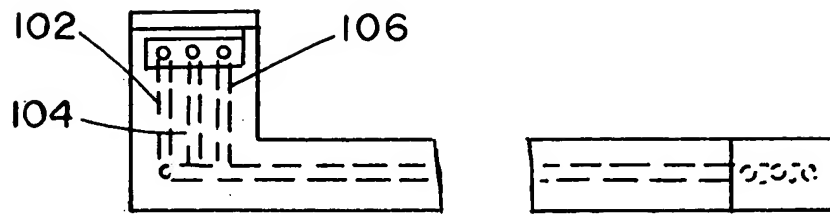


FIG. 9A

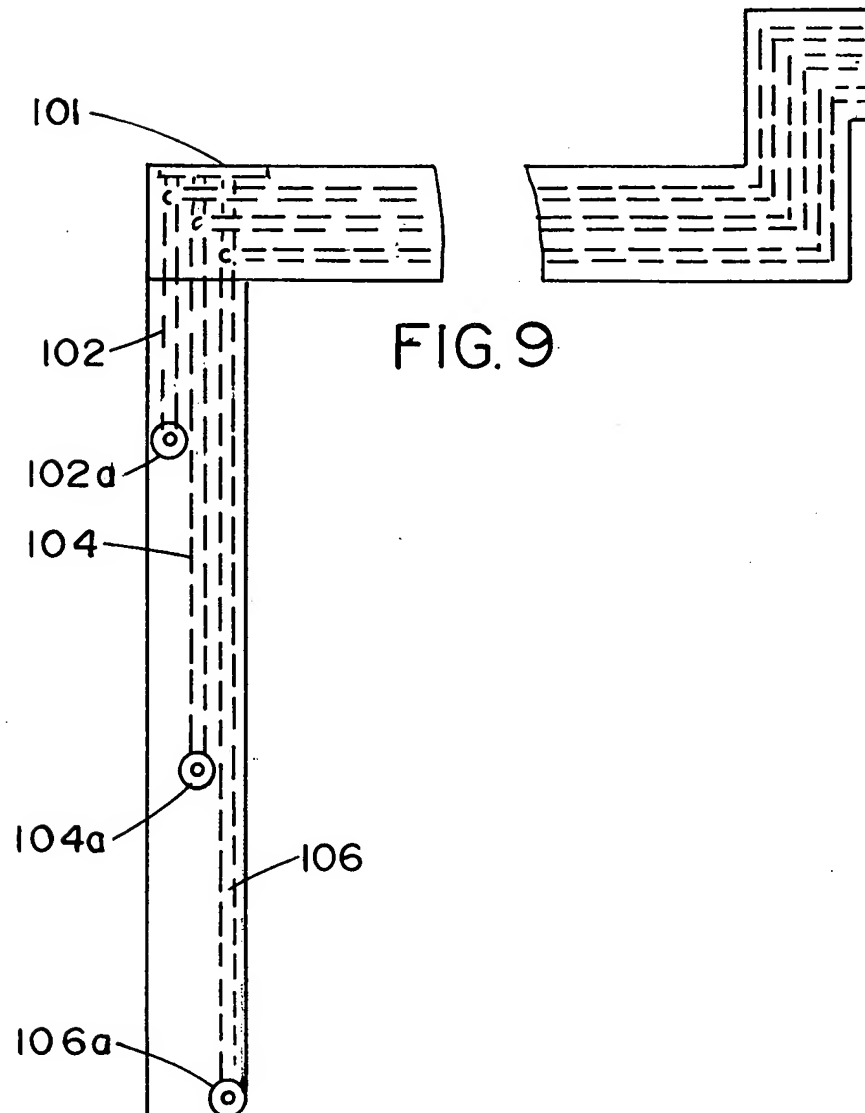


FIG. 9

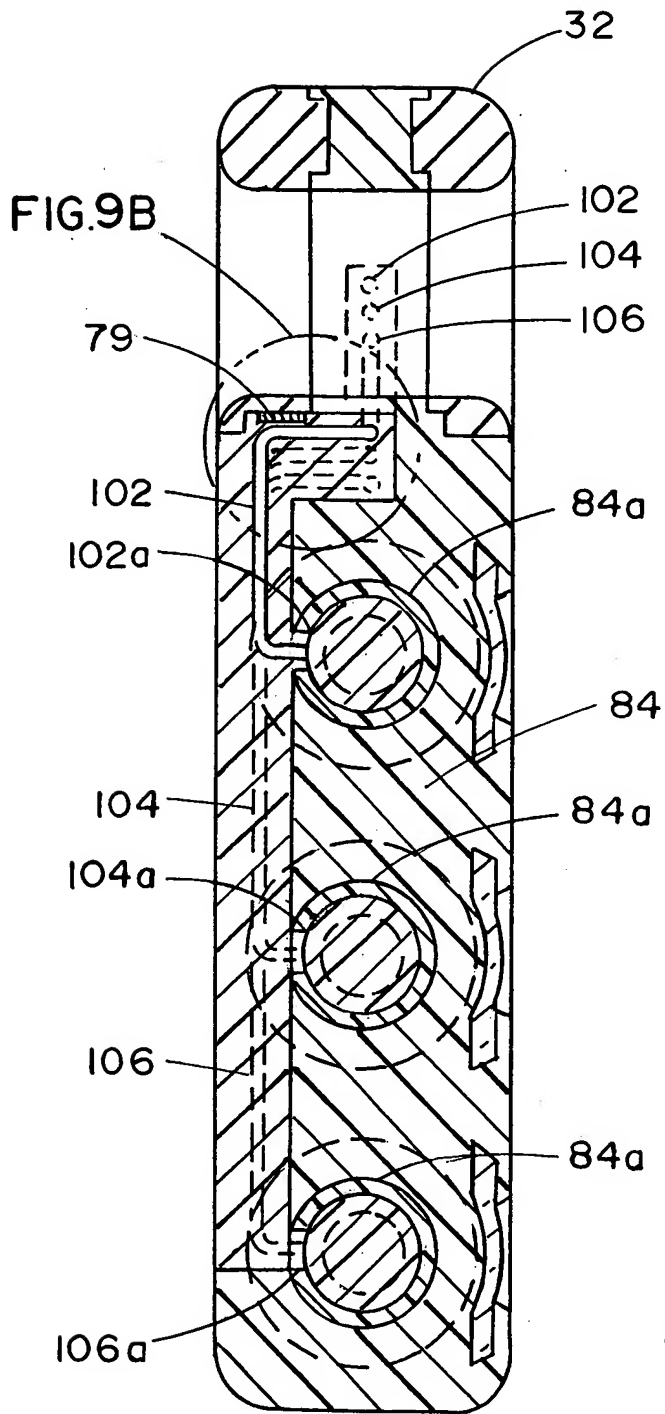


FIG. 8

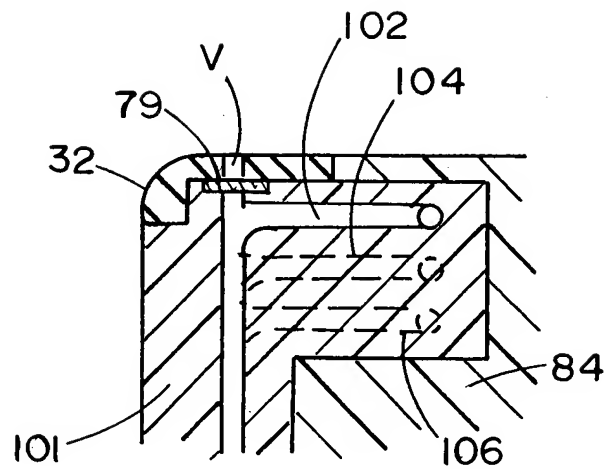


FIG. 9B

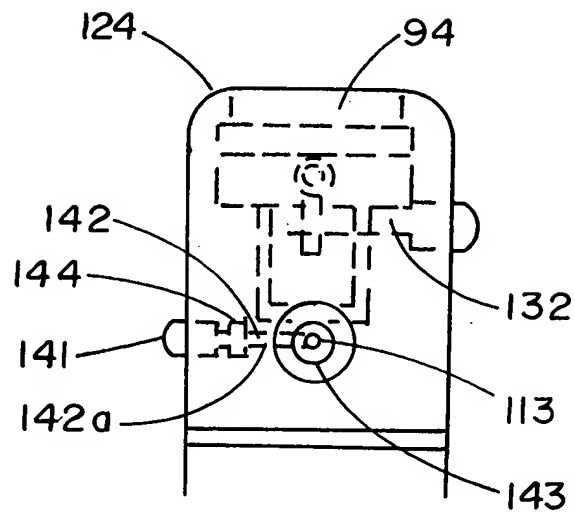


FIG. 10

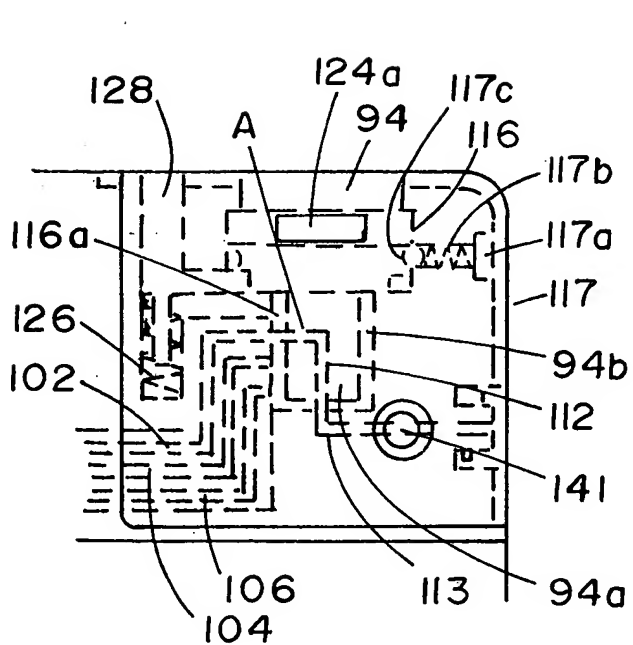


FIG. 11

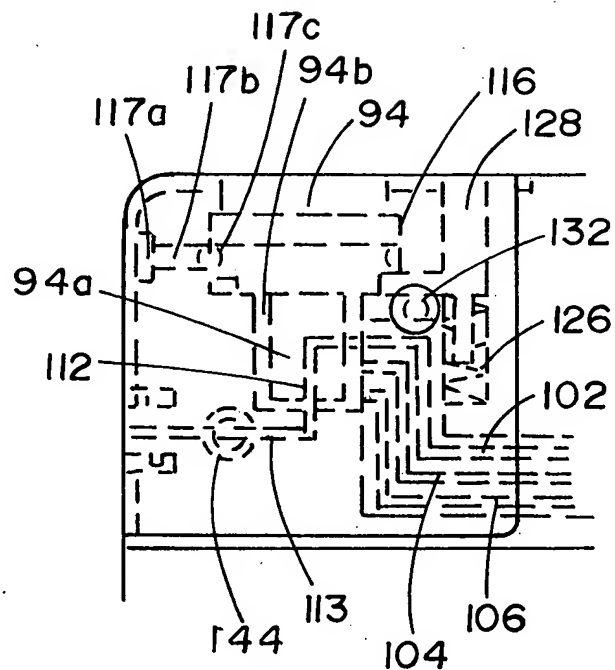


FIG. 12

+

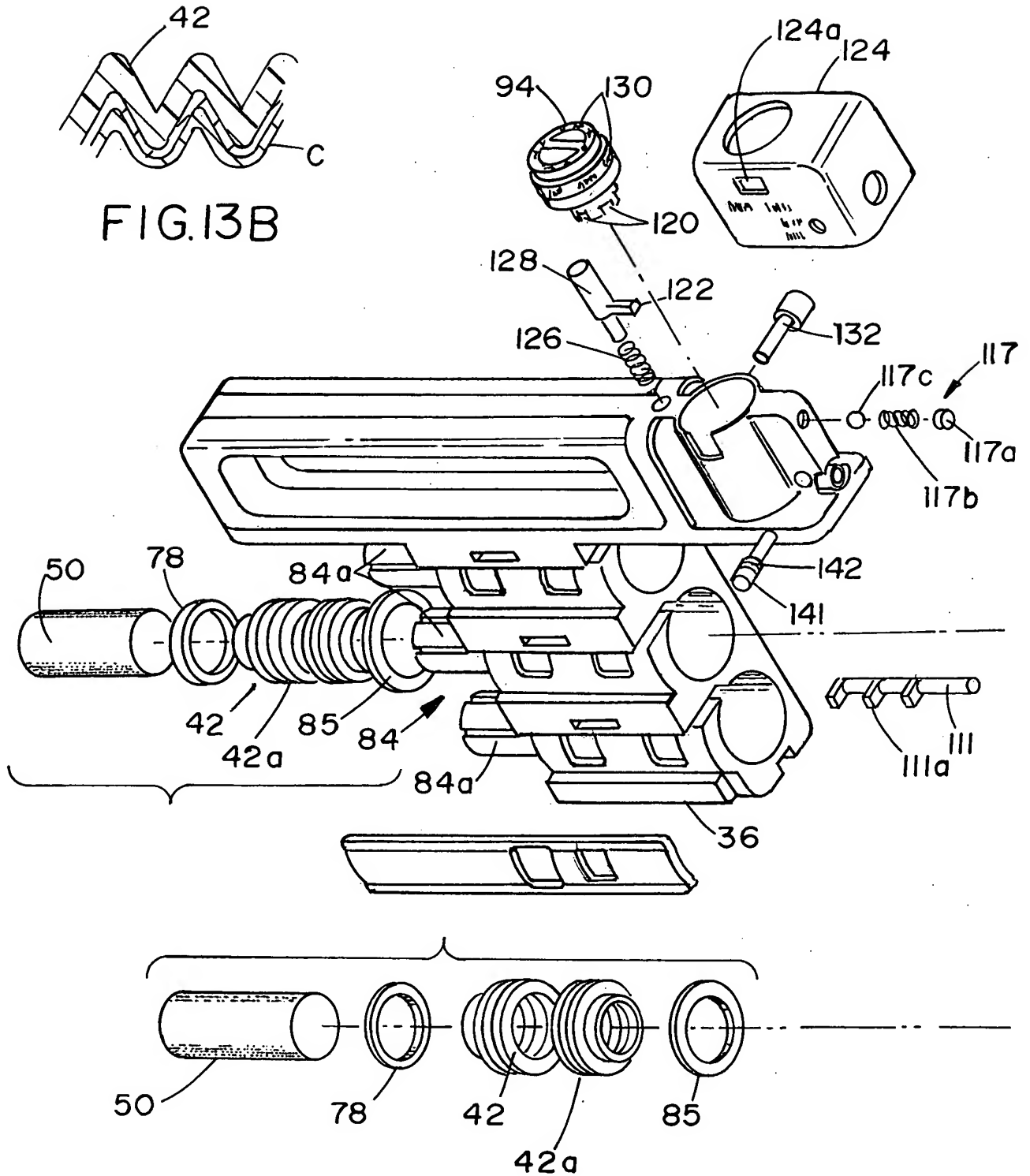


FIG. 13

+

+

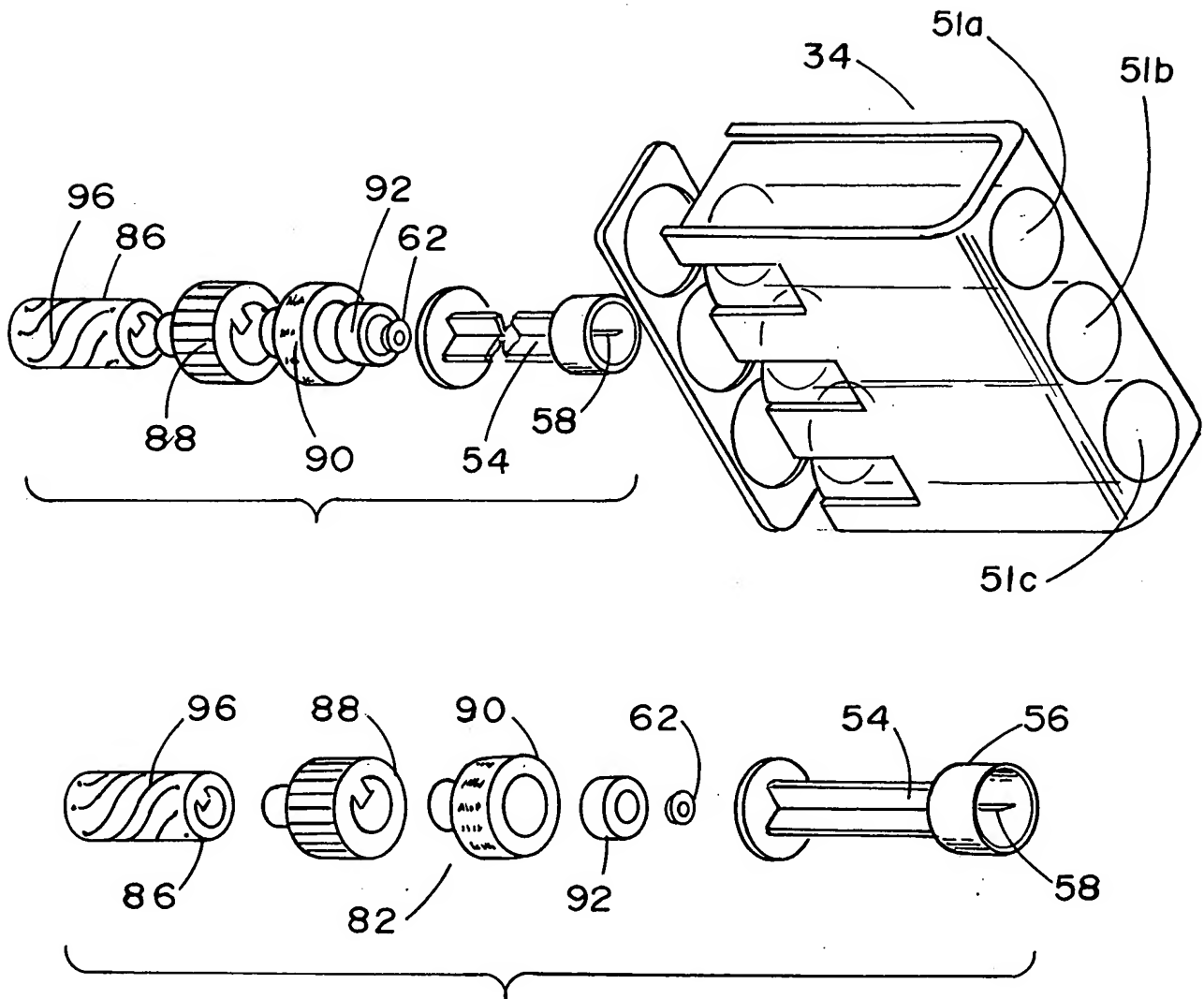
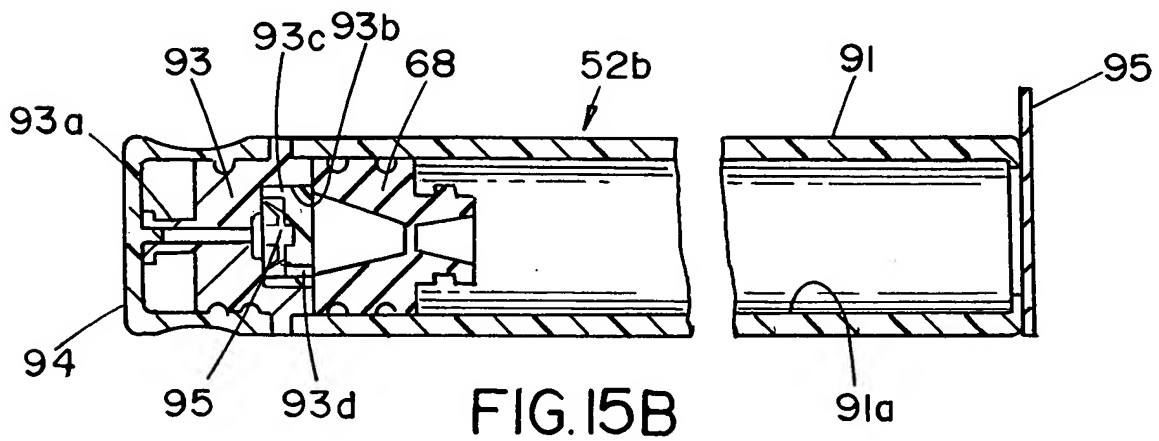
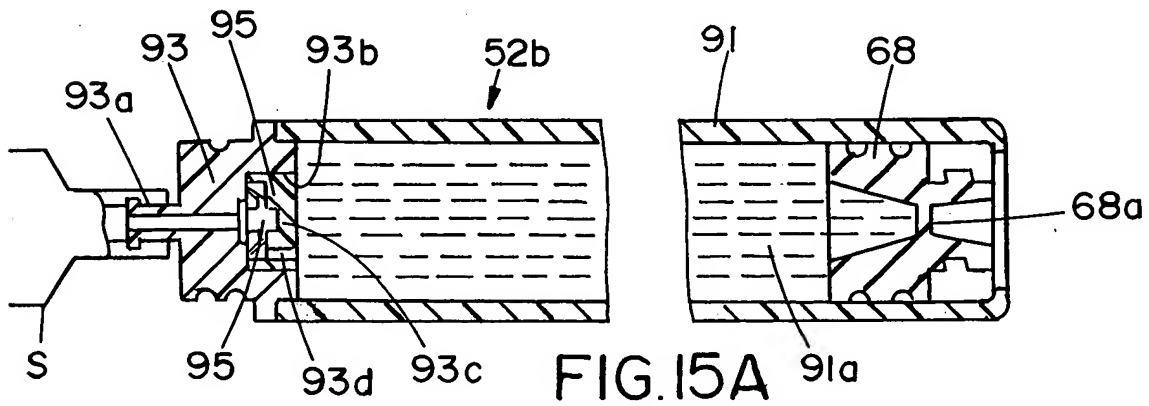
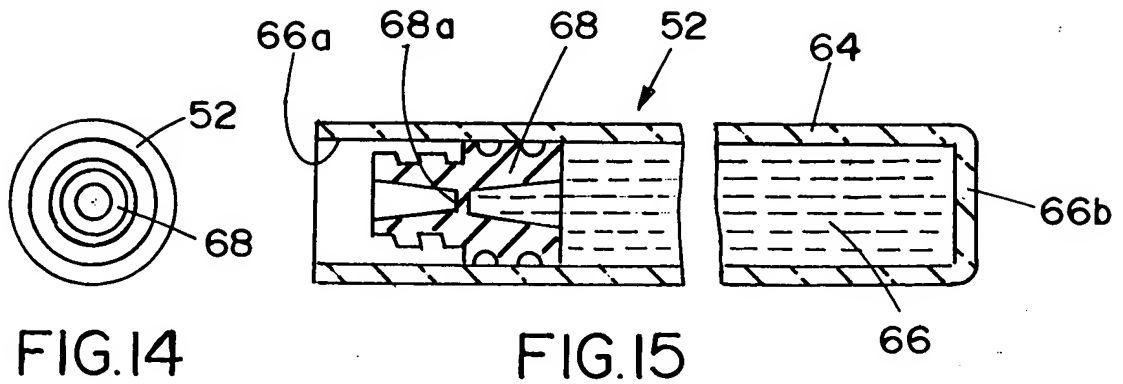


FIG. 13A

+

+



+

+

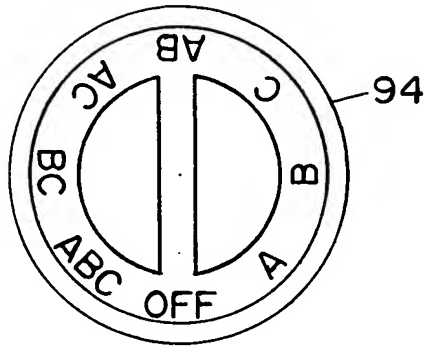


FIG. 16

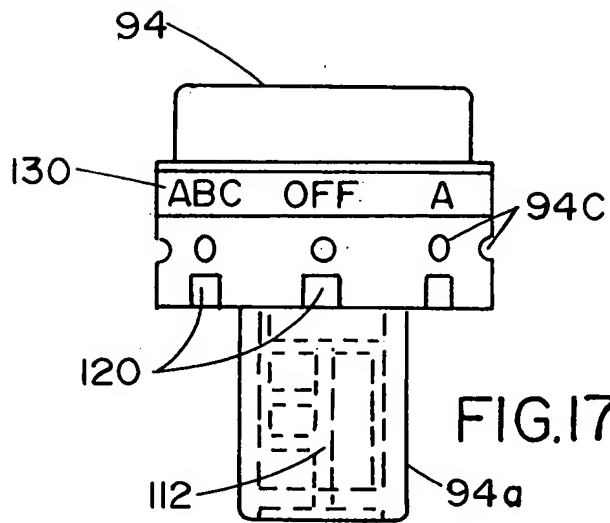


FIG. 17

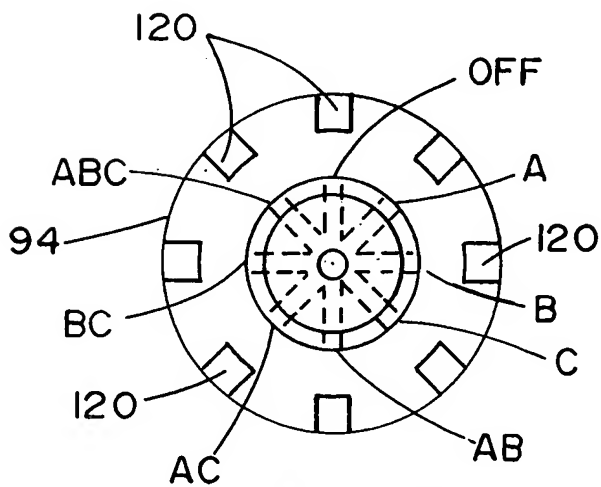


FIG. 18

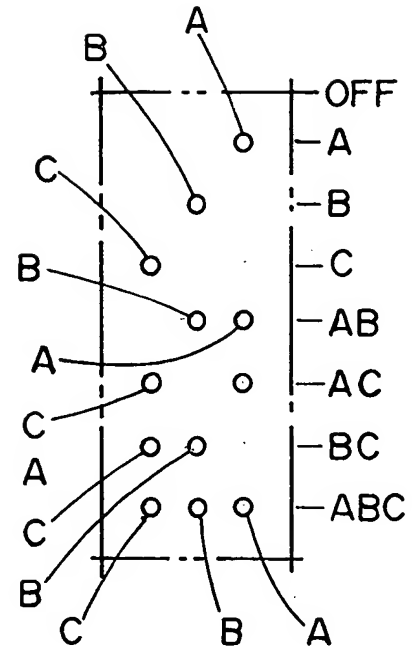
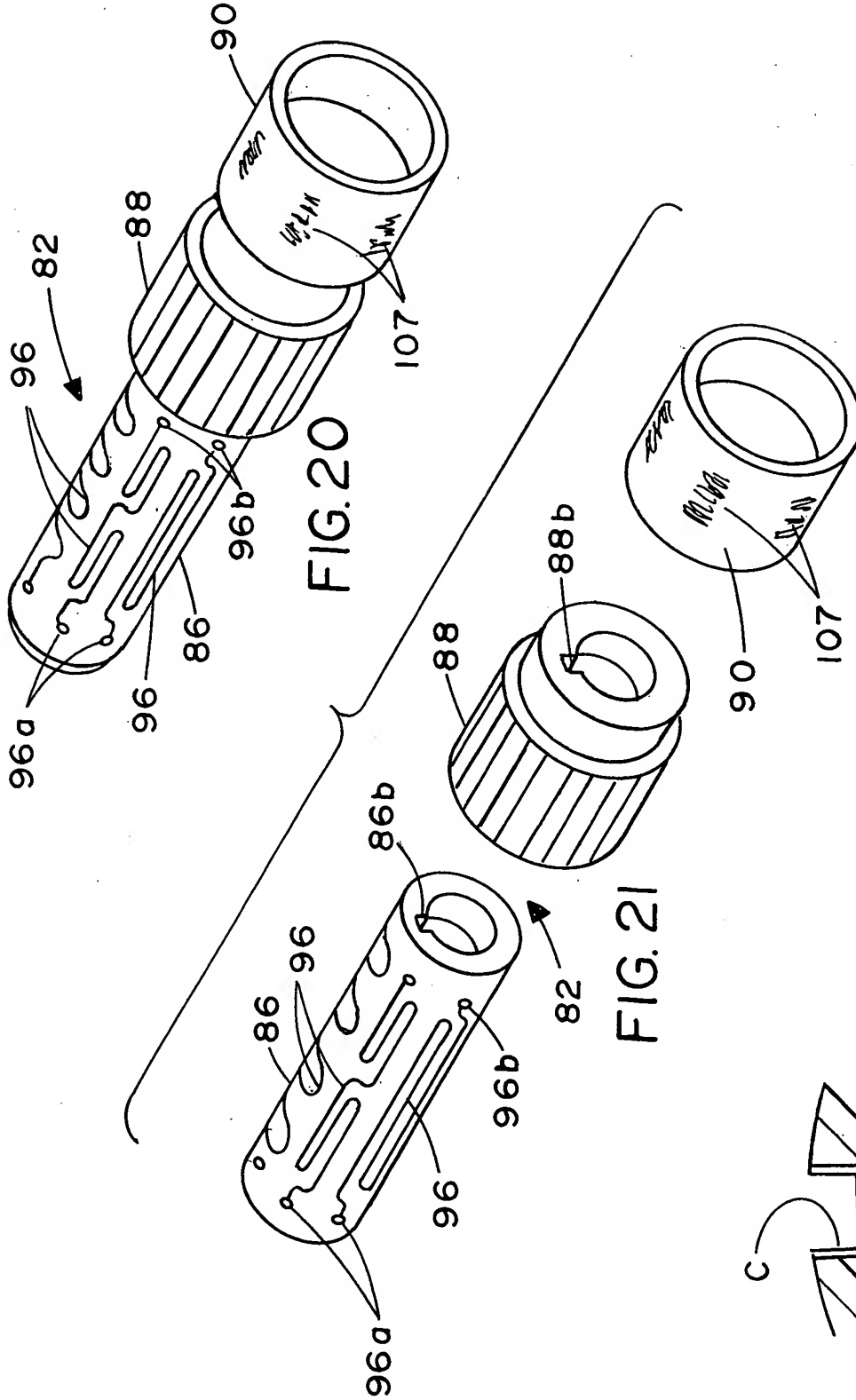
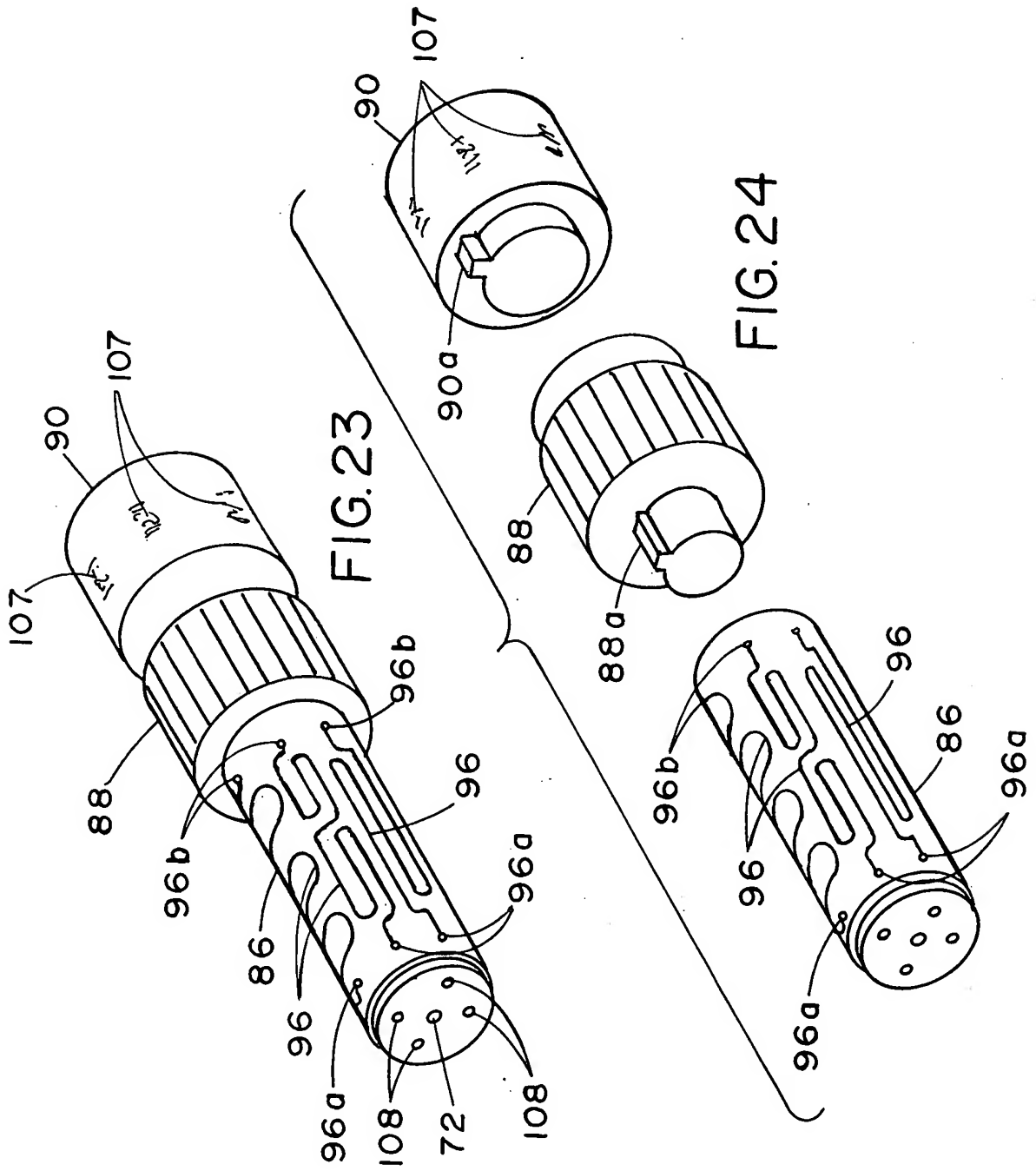


FIG. 19

+





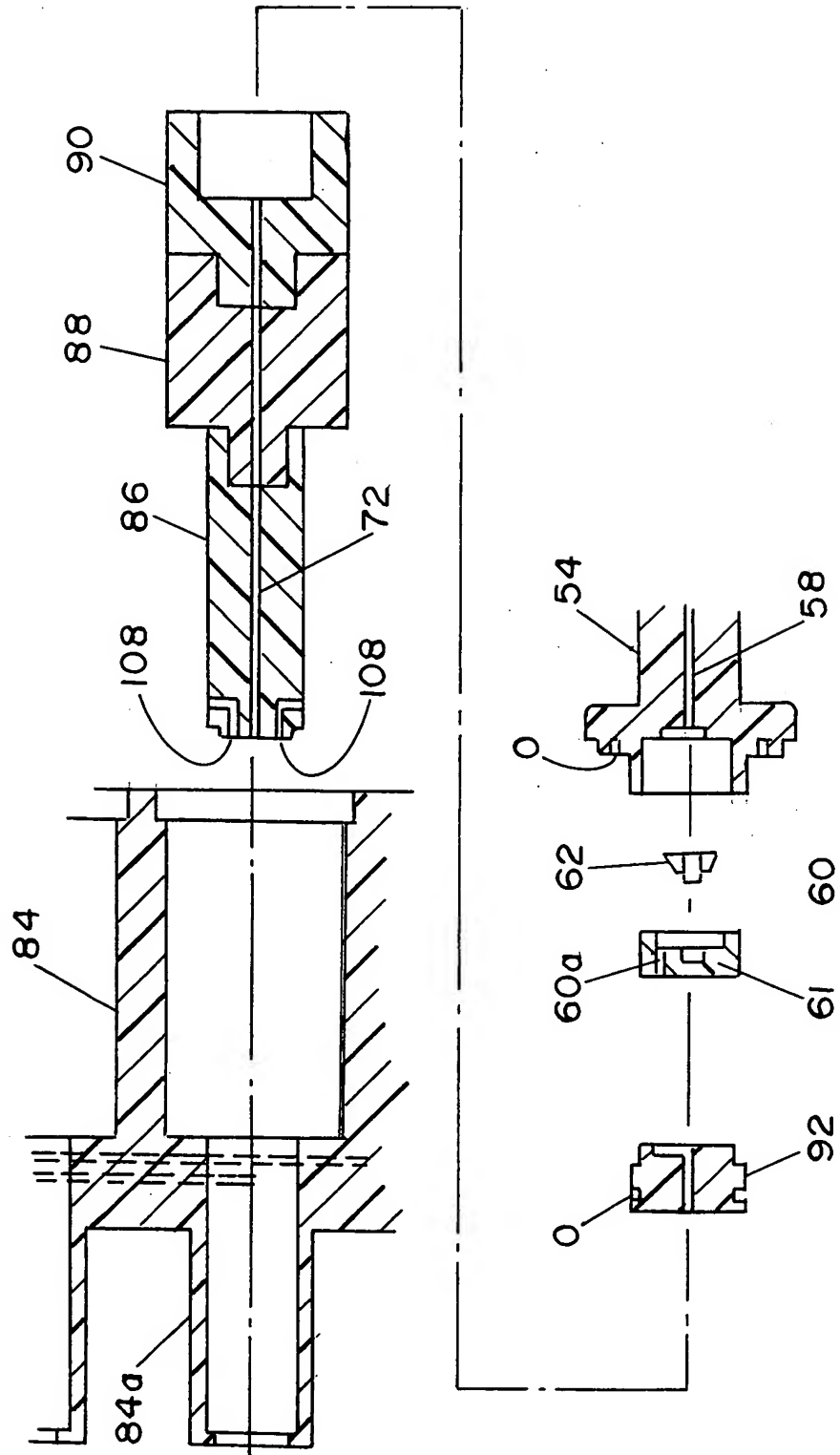


FIG. 25

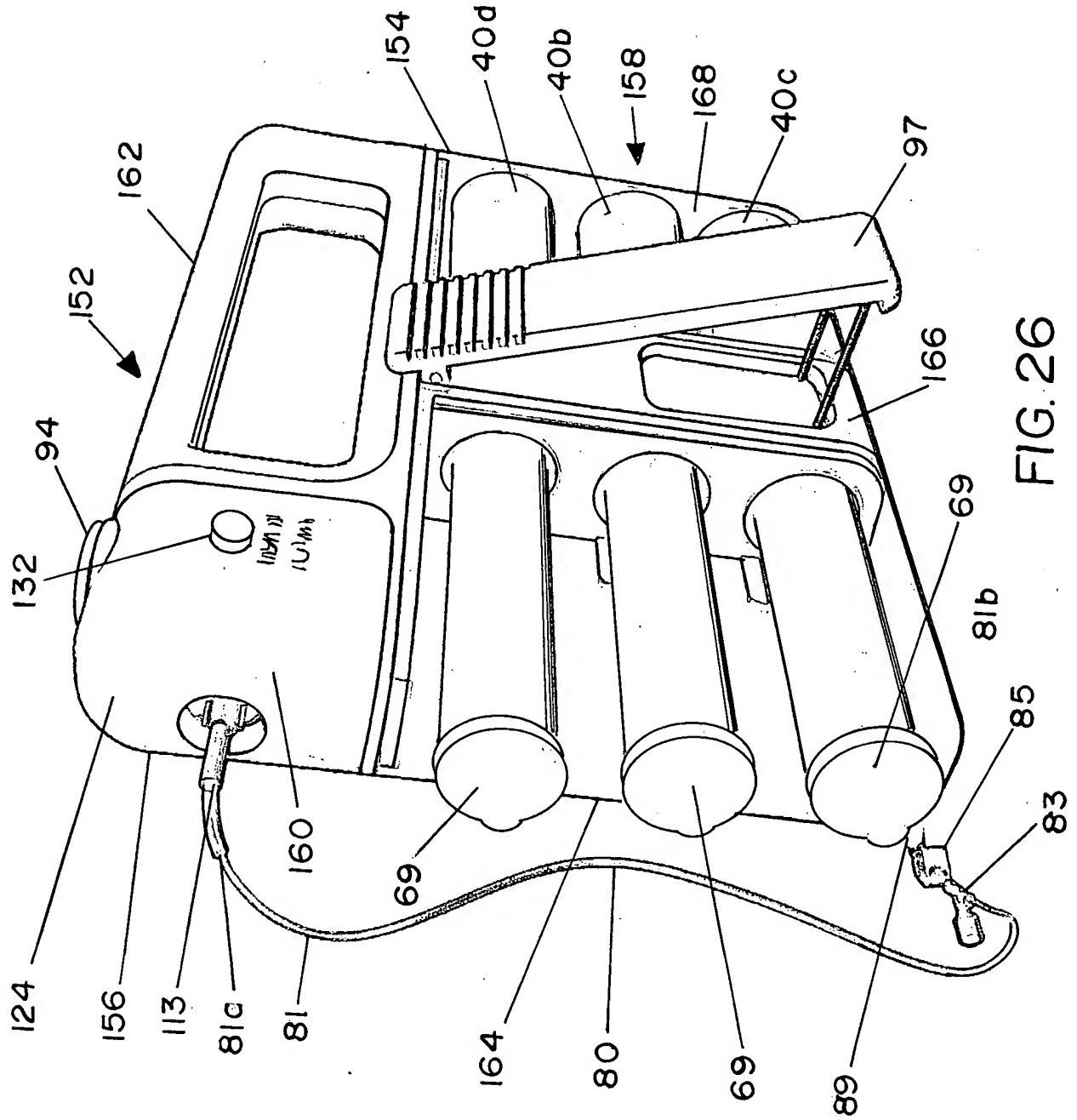


FIG. 26

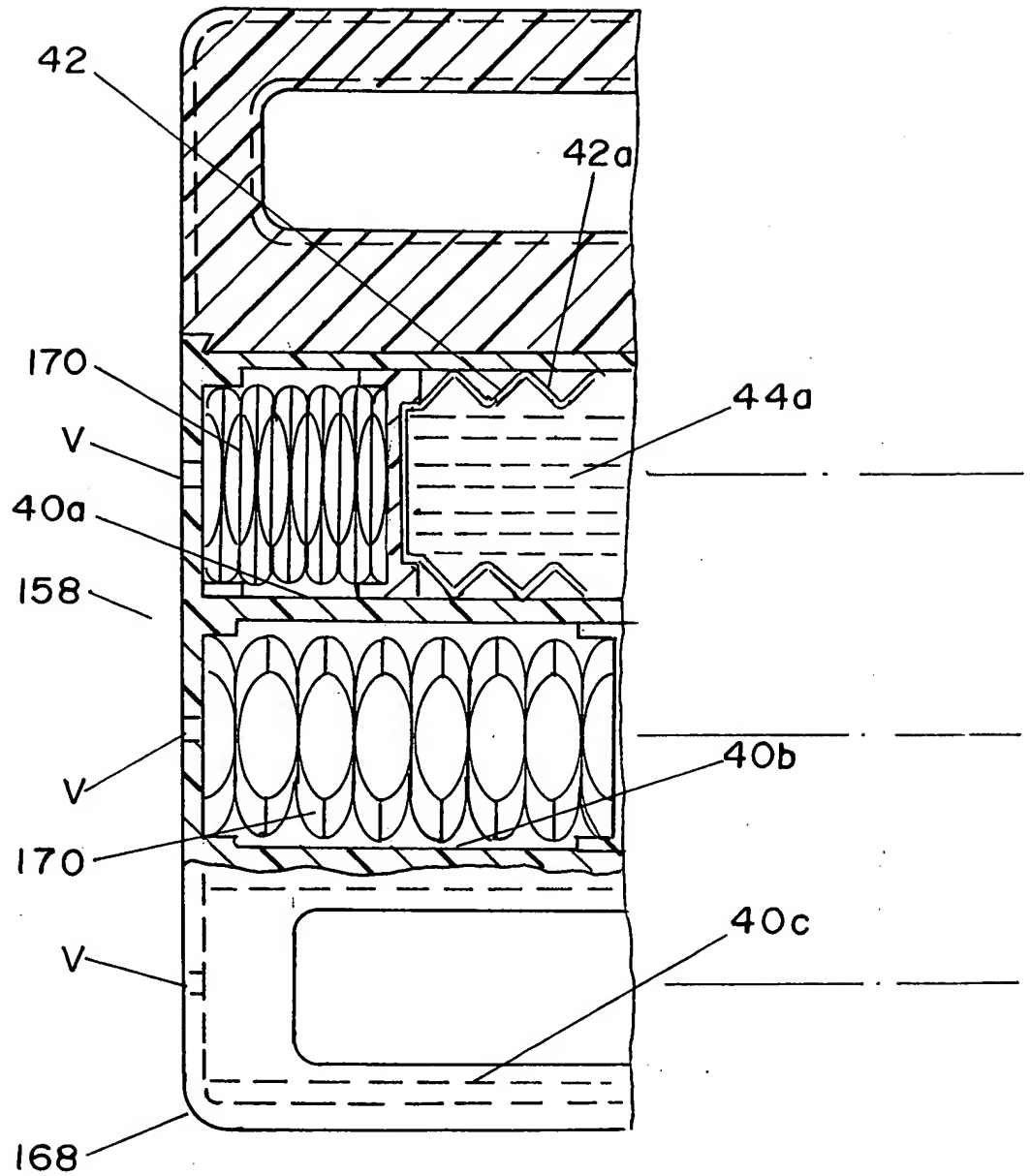


FIG. 27A

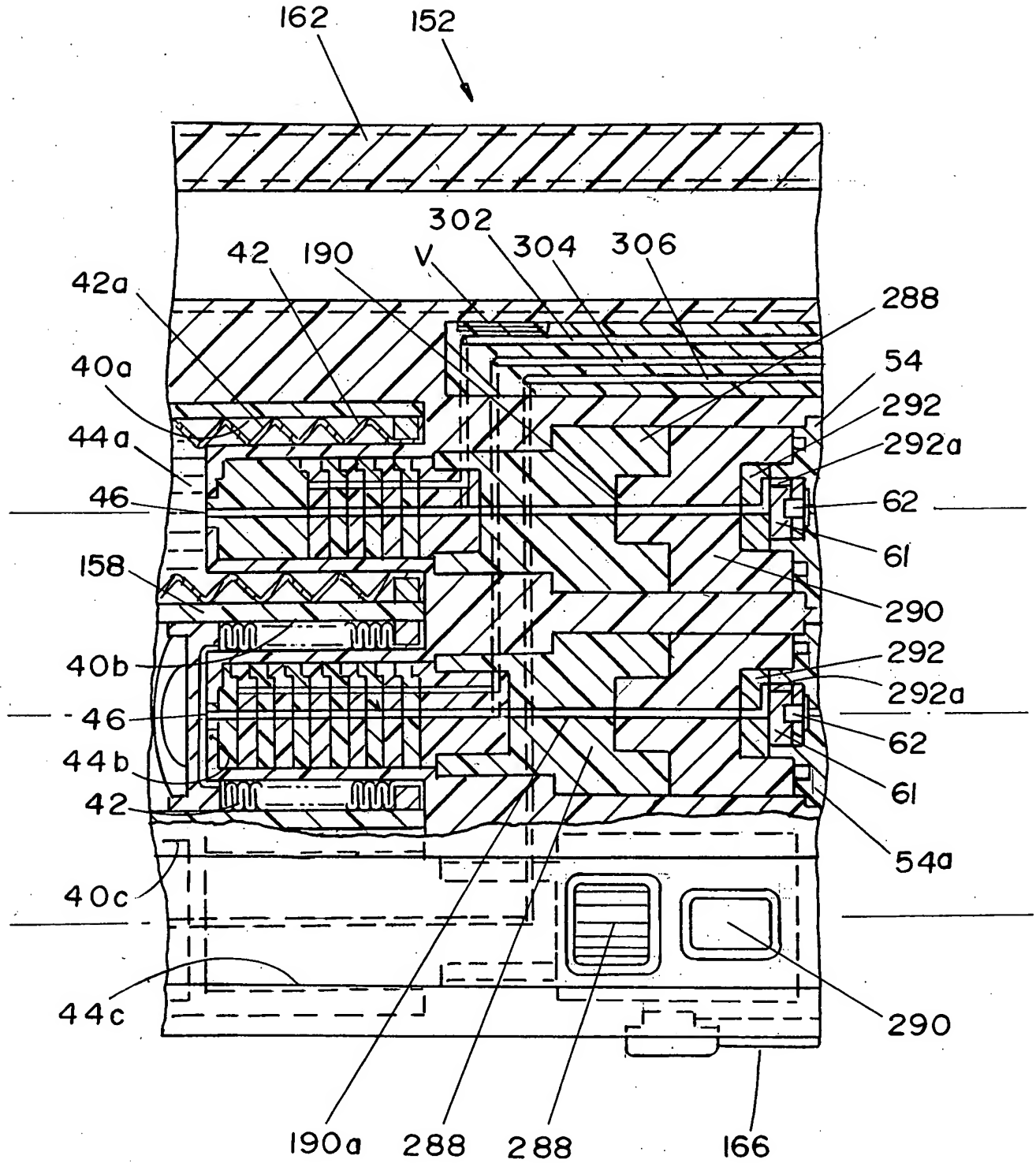


FIG. 27B

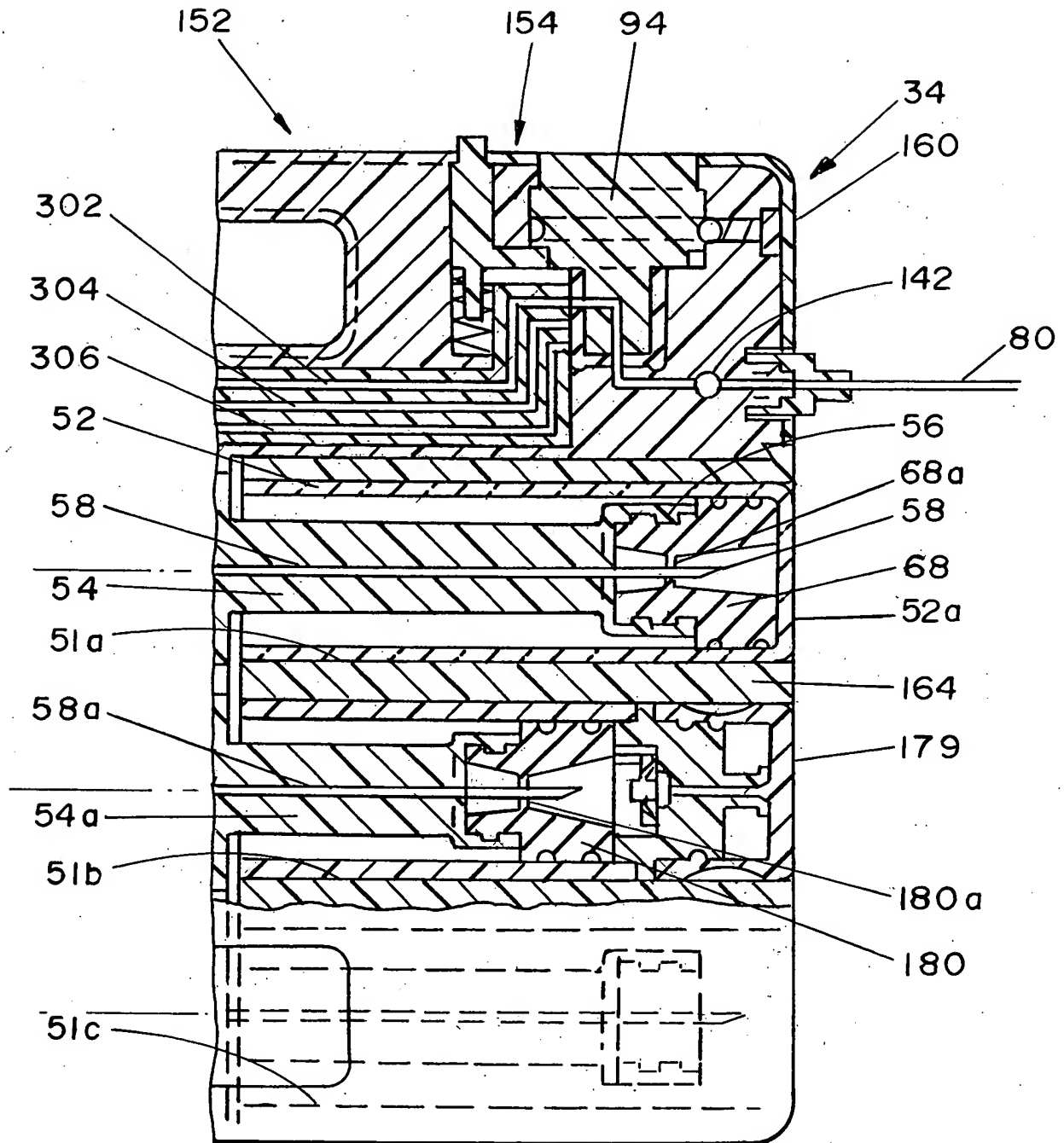
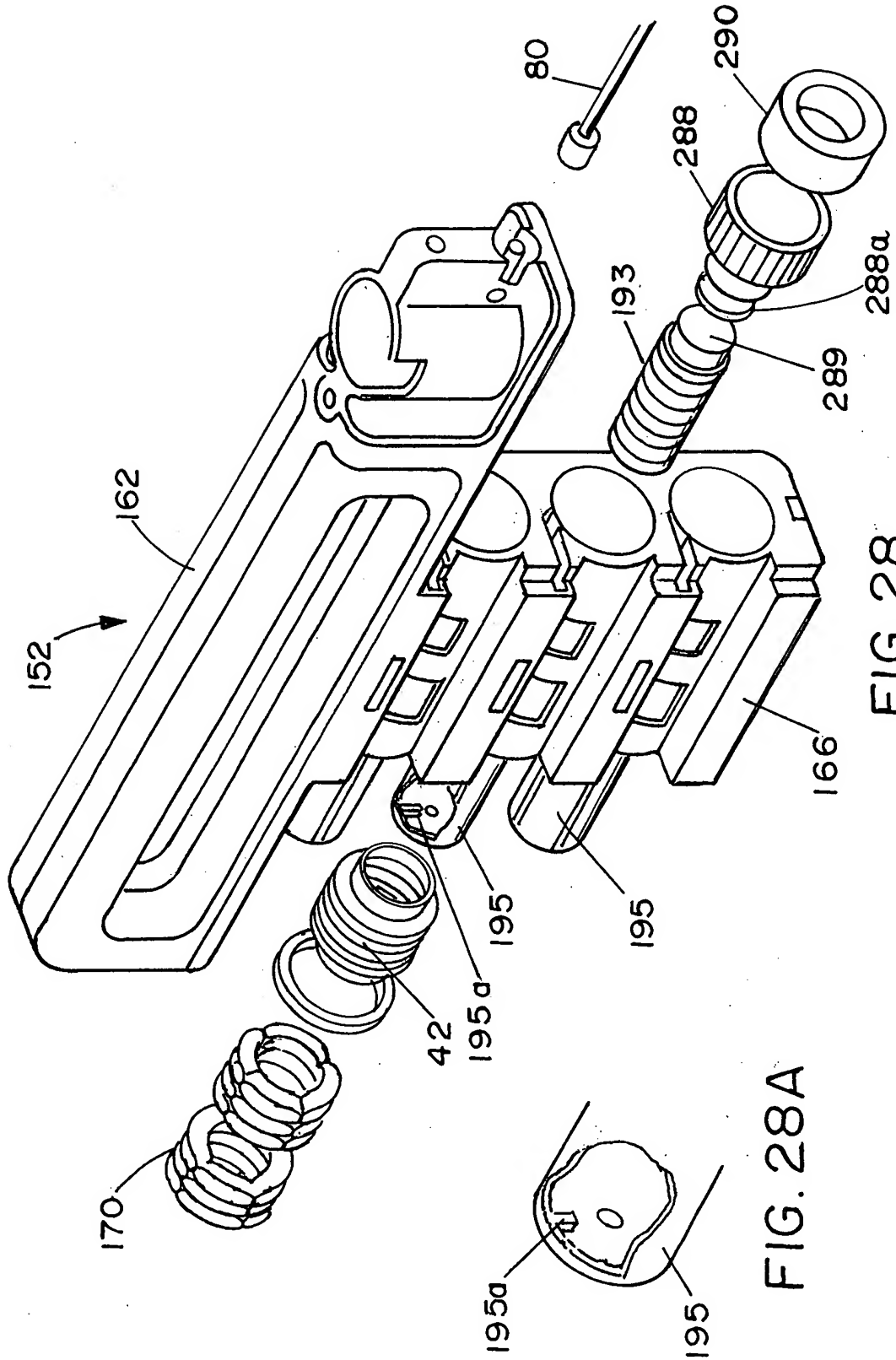
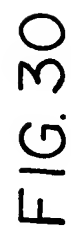


FIG. 27C





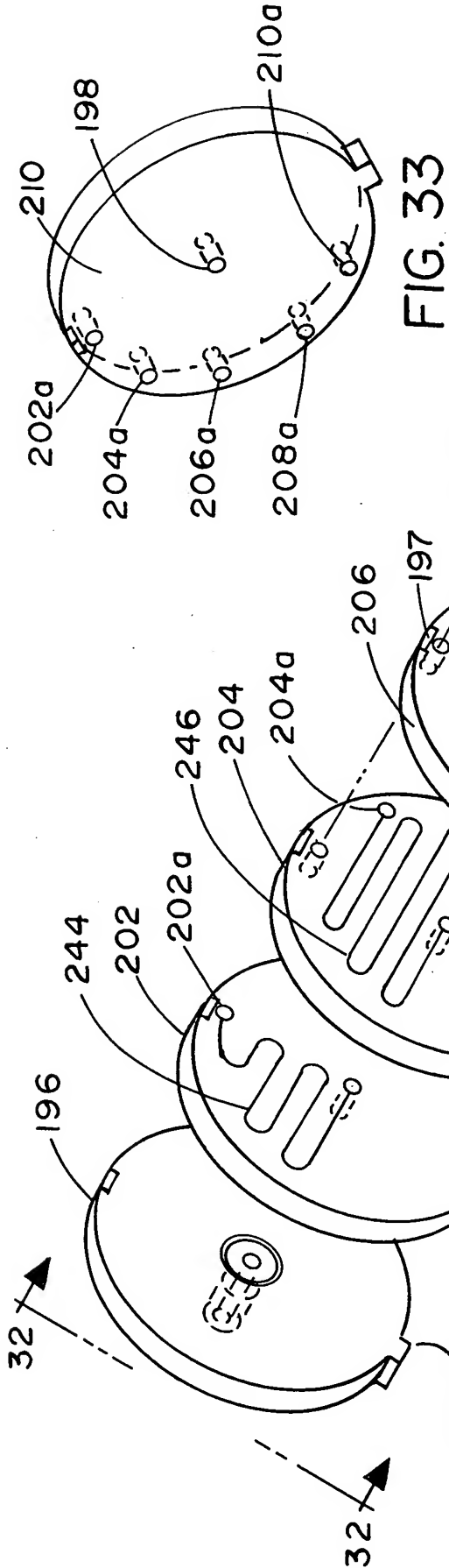


FIG. 33

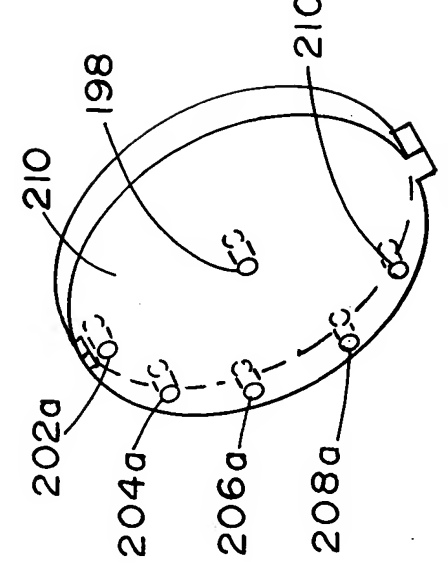


FIG. 31

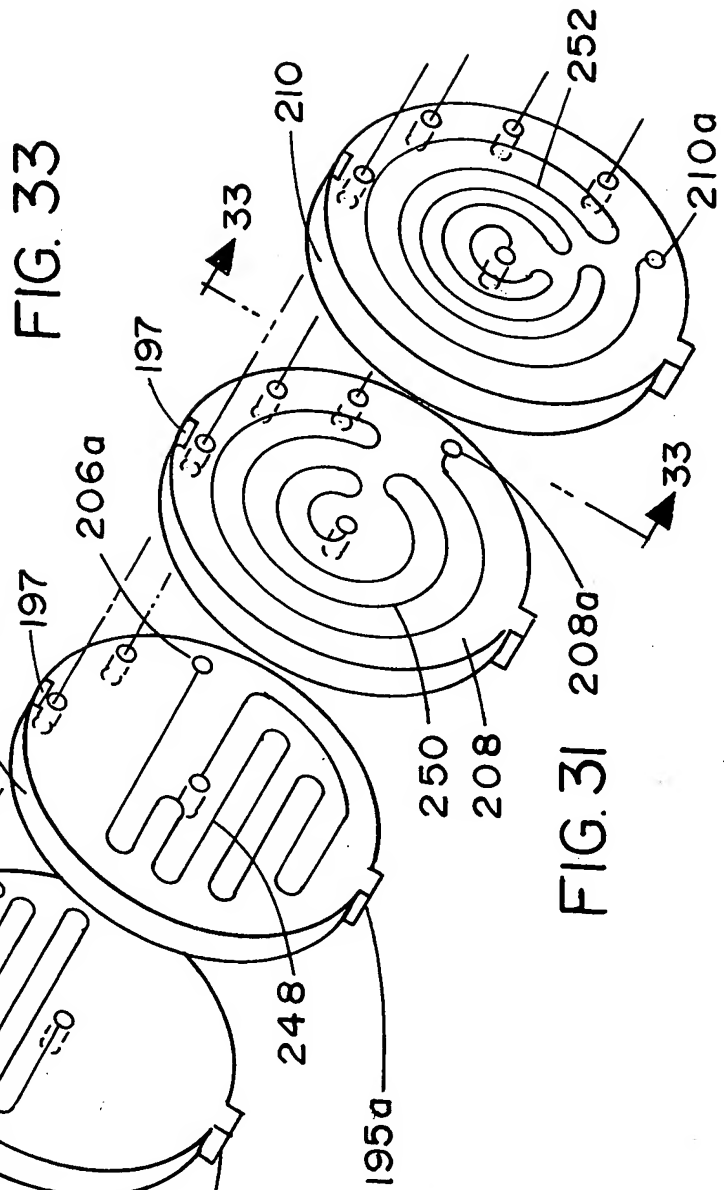
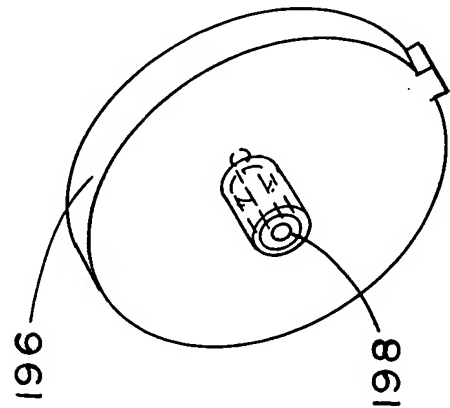


FIG. 32



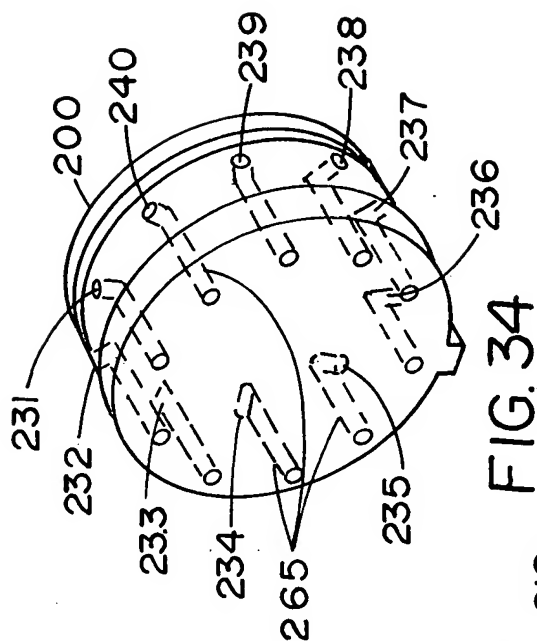


FIG. 34

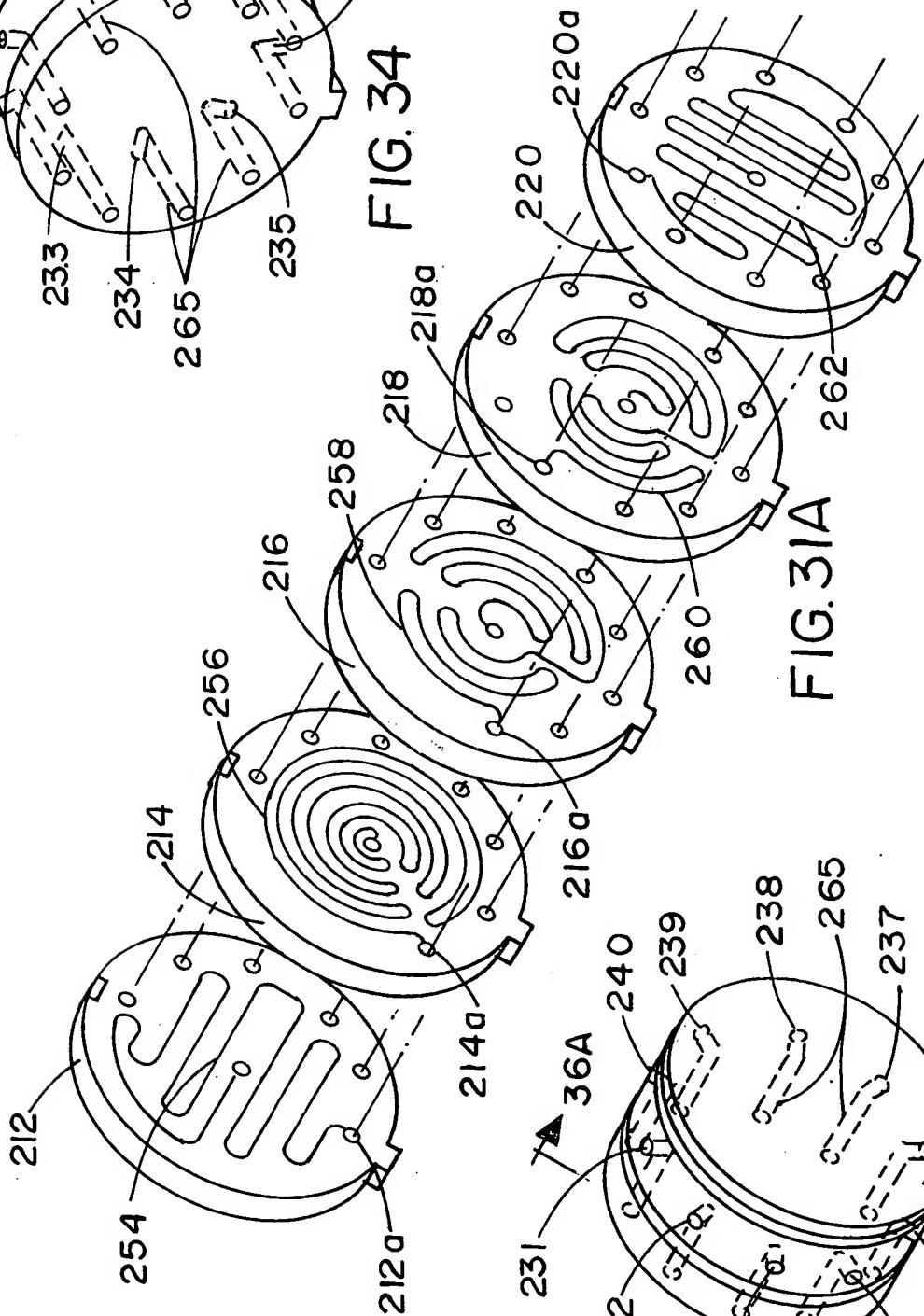


FIG. 31A

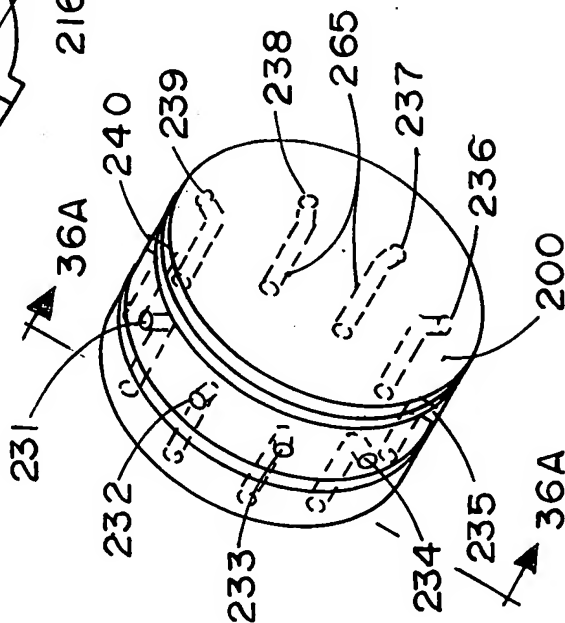


FIG. 35

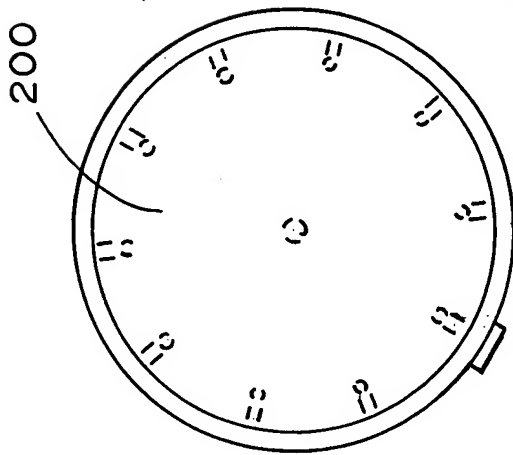


FIG. 36A

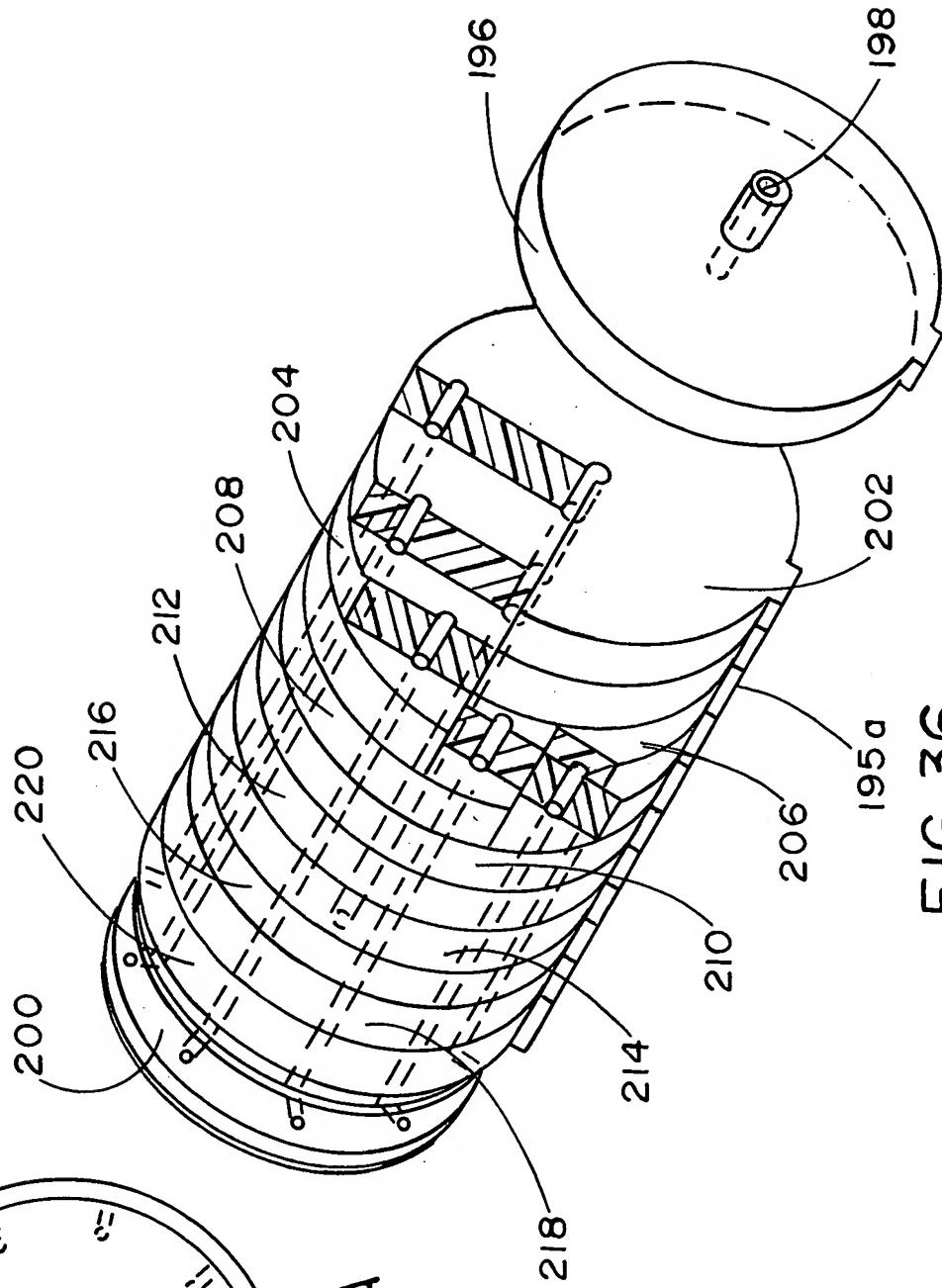


FIG. 36

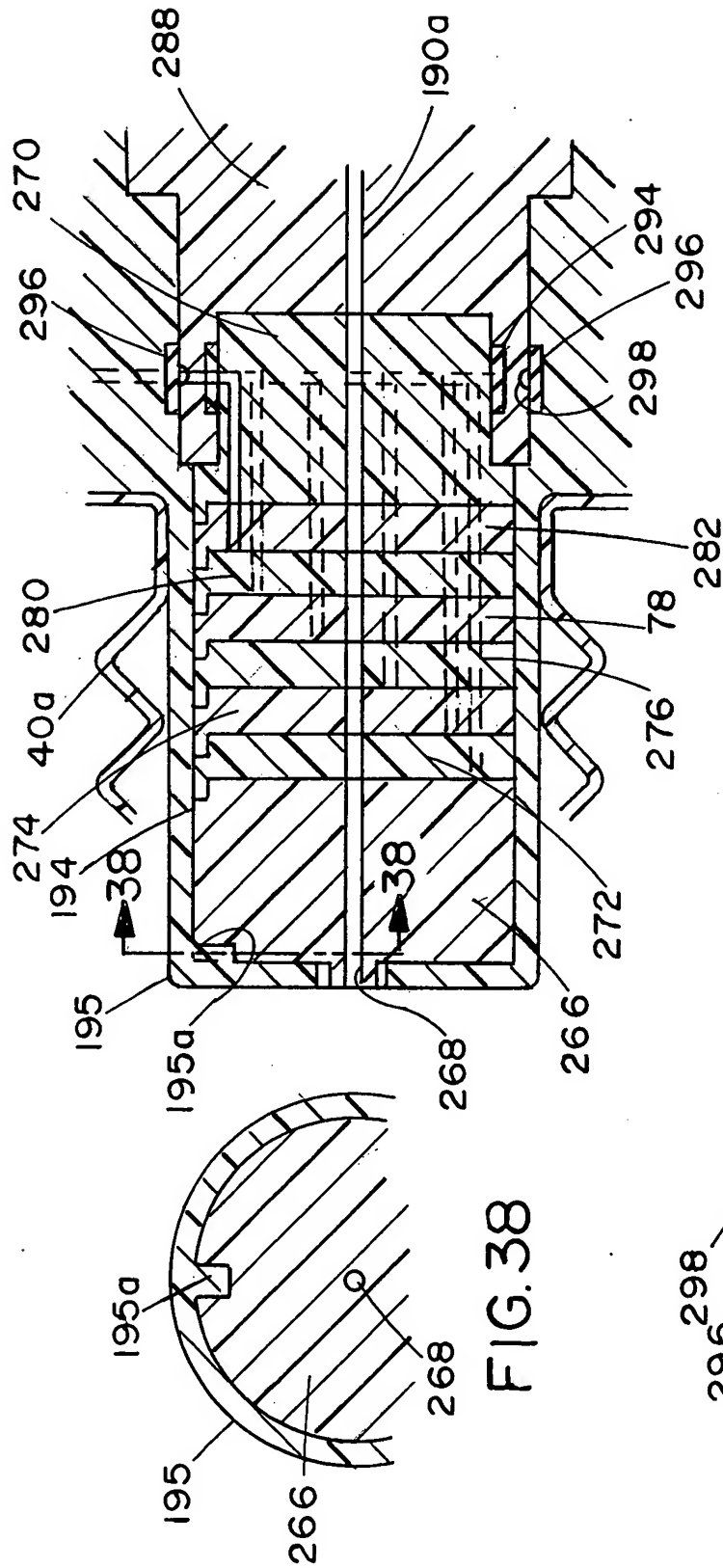


FIG. 37

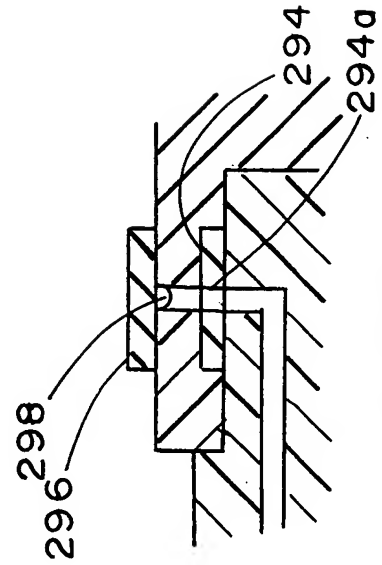


FIG. 37A

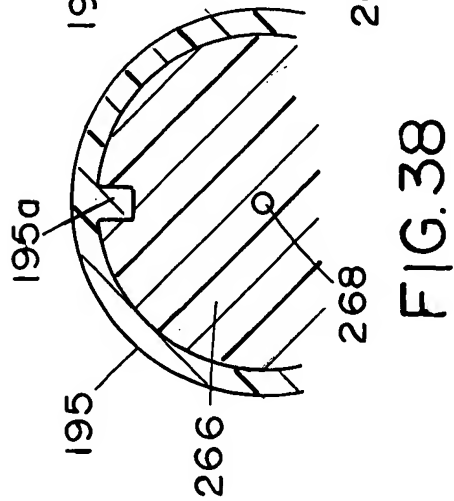


FIG. 38

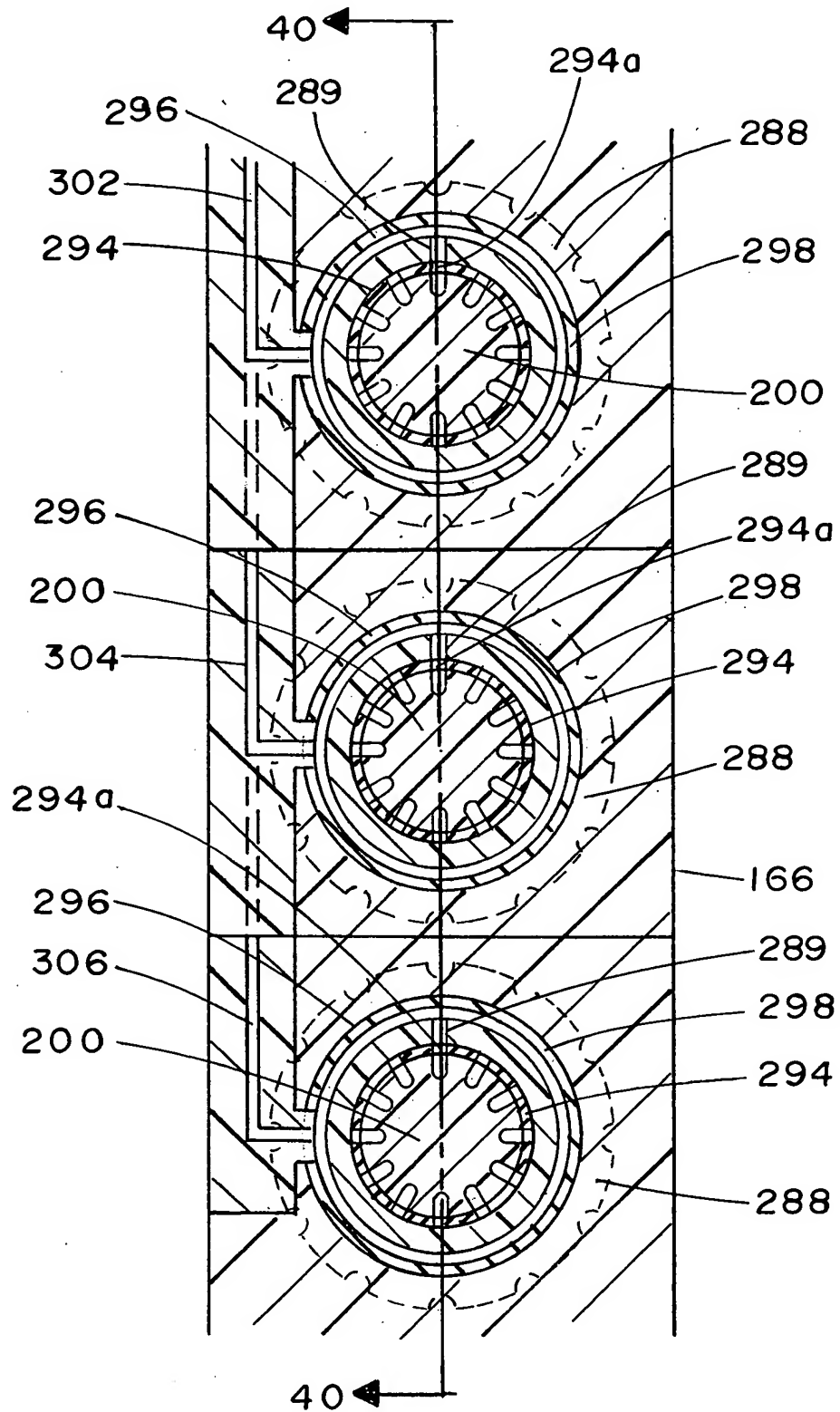
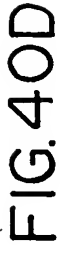


FIG. 39



FIG. 40



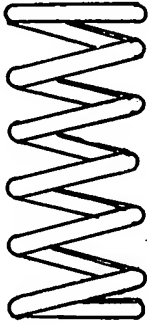
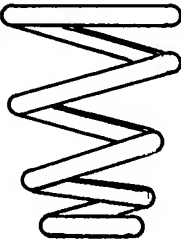
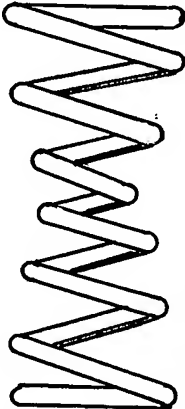
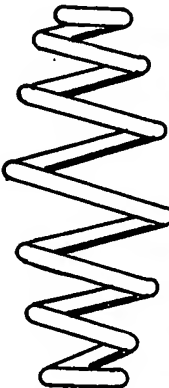
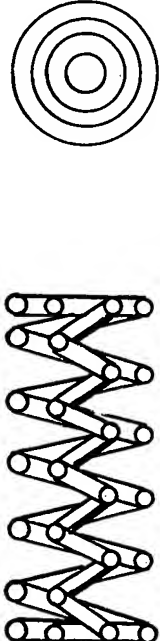
A CONFIG.	COMPRESSION SPRING	
B CONFIG.	CONICAL COMP. SPRING	
C CONFIG.	CONCAVE CONFIGURATION	
D CONFIG.	CONVEX CONFIGURATION	
E CONFIG.	SPRING IN A SPRING CONFIG.	

FIG. 41A

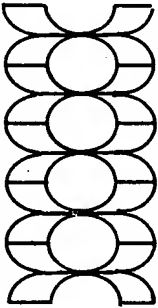
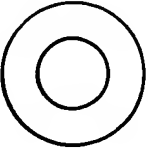
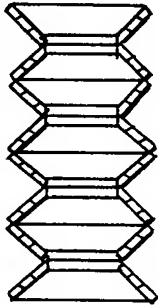
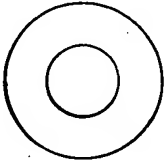
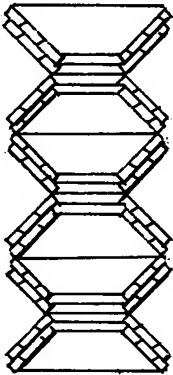
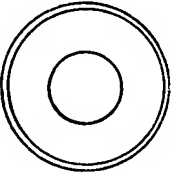
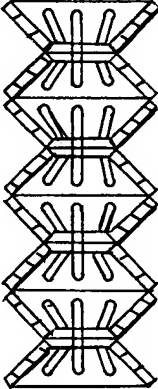
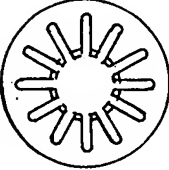
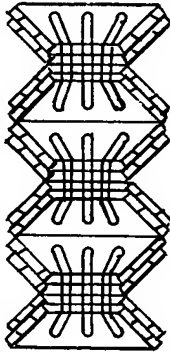
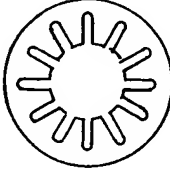
F CONFIG.	MULTIWAVE COMP. SPRING	 
G CONFIG.	BELLEVILLE SPRING WASHER	 
H CONFIG.	BELLEVILLE WASHER (STACKED)	 
I CONFIG.	DISC-SPRING (INT. TOOTH)	 
J CONFIG.	DISC-SPRING (INT. TOOTH) STACKED	 

FIG. 41B


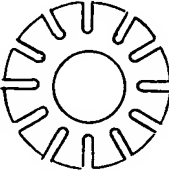
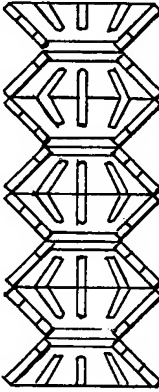

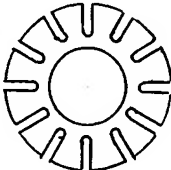
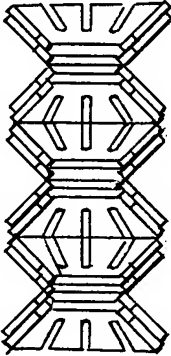
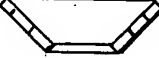
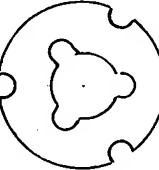
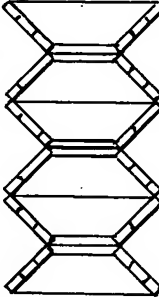


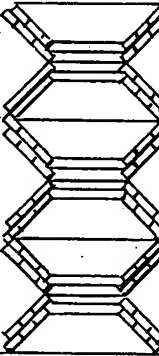
K CONFIG.	DISC. SPRING EXTERNAL TOOTH	  
L CONFIG.	DISC SPRING EXT. TOOTH STACKED	  
M CONFIG.	CLOVER SPRING WASHER	  
N CONFIG.	CLOVER SPRING WASHER (STACKED)	  

FIG. 41C

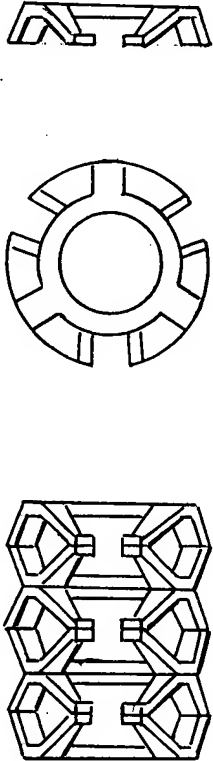
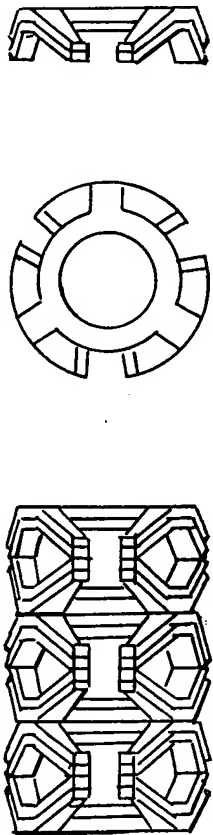
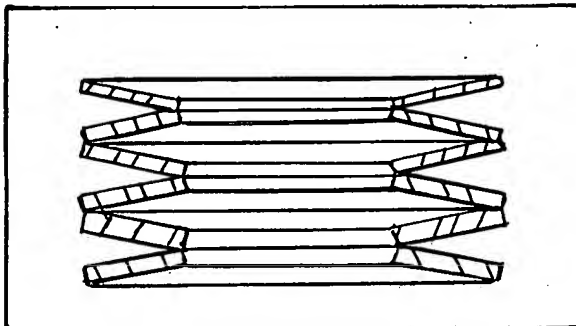
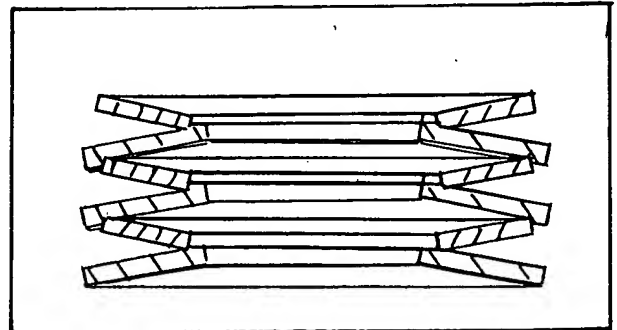
O CONFIG.	FINGER SPRING WASHER	
P CONFIG.	FINGER SPRING WASHER (STACKED)	

FIG. 41D

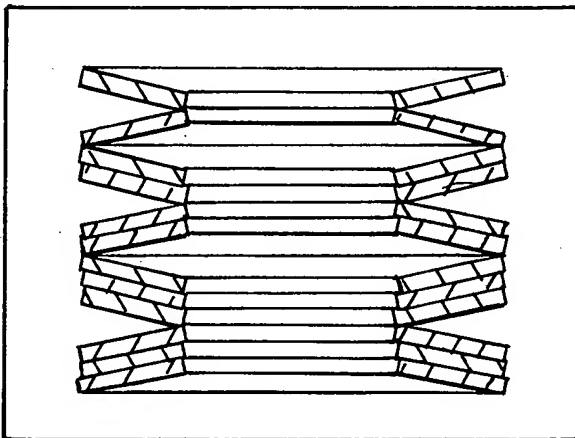
(A) DISC SPRING STACK CONSISTING OF DISC SPRINGS OF DIFFERENT THICKNESSES.



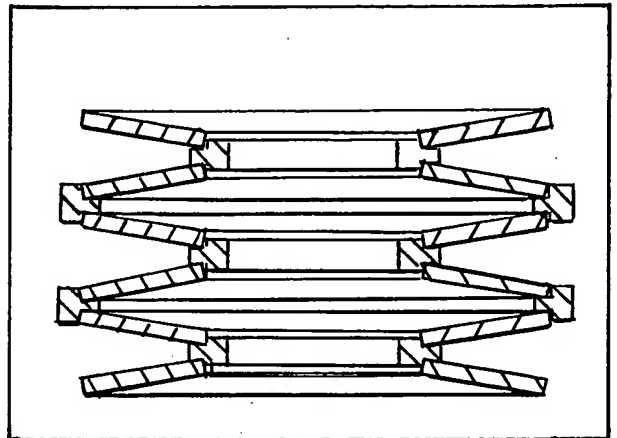
(D) GUIDING BY CYLINDRICAL "SHOULDERS" AT THE INSIDE & OUTSIDE DIA'S.



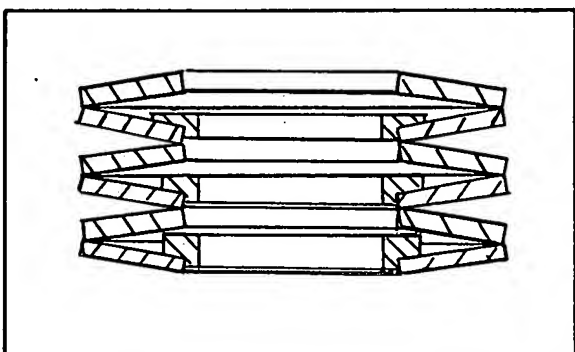
(B) DISC SPRING STACKS OF PARALLEL COMPONENTS OF DIFFERENT NUMBERS OF DISC SPRINGS ARRANGED IN SERIES.



(E) GUIDING BY MEANS OF INTERMEDIATE RINGS.



(C) DISC SPRING STACKS WITH DEFLECTION LIMITING RINGS OF DIFFERENT THICKNESSES



(F) GUIDING BY BALLS OR WIRE RINGS.

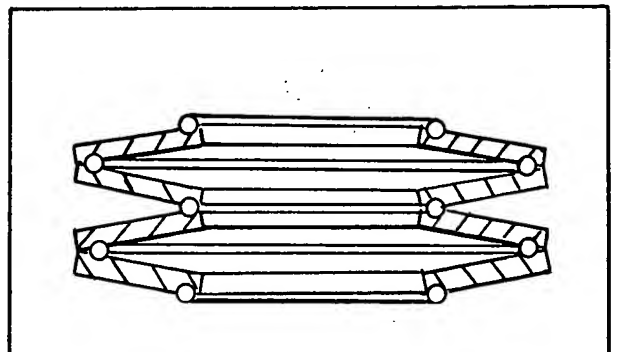


FIG. 41E

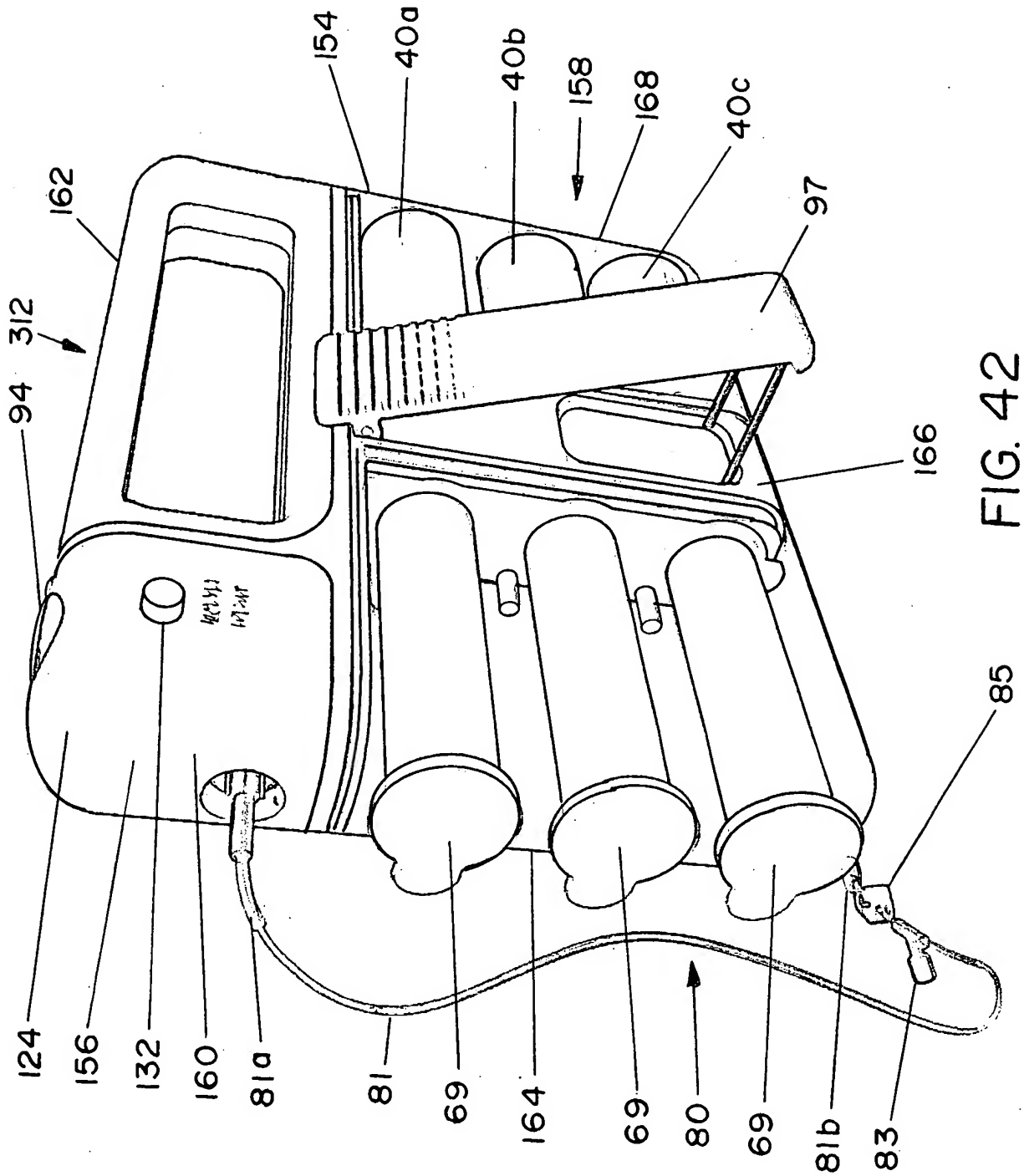


FIG. 42

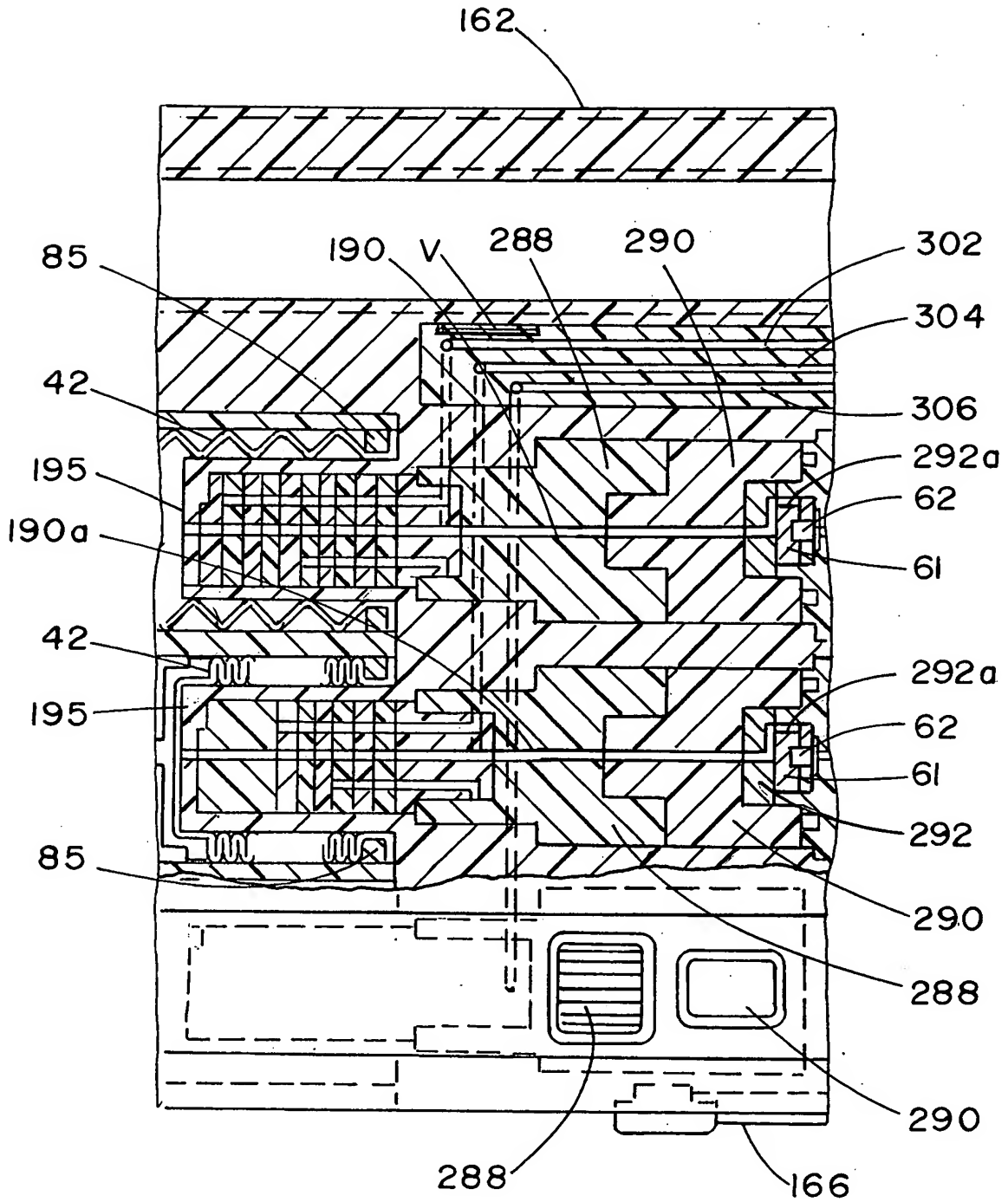


FIG. 43B

+

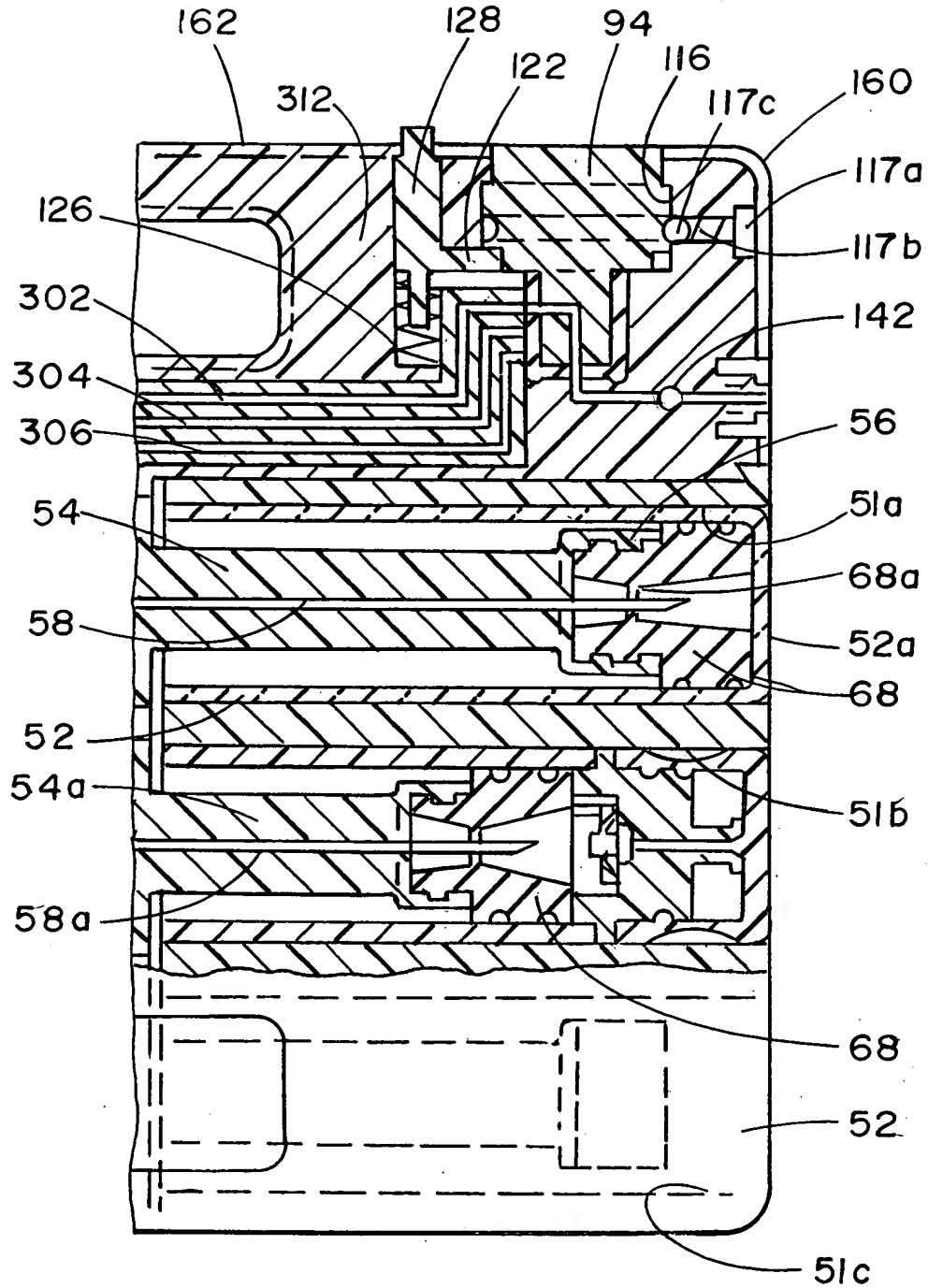


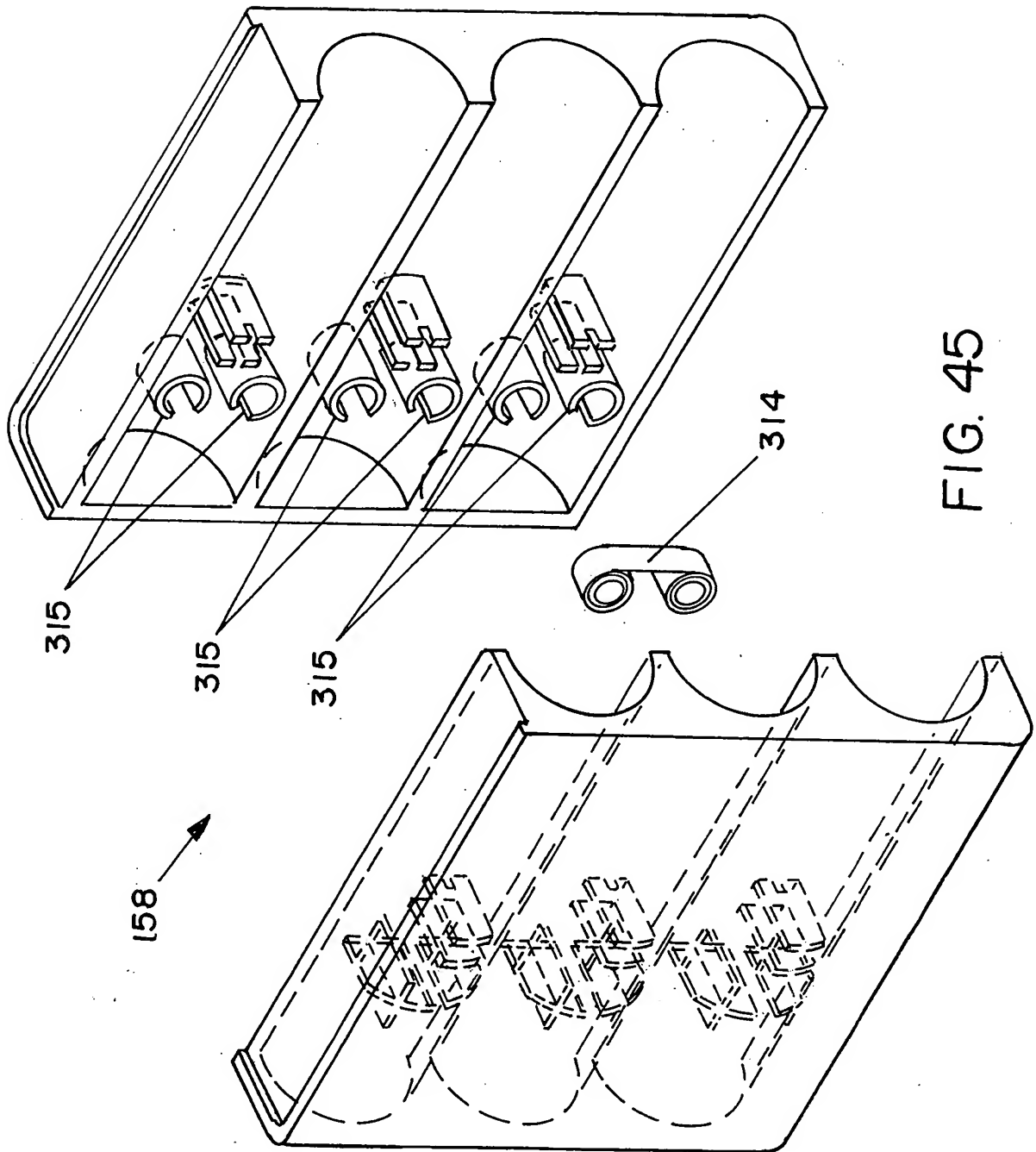
FIG. 43C

+



FIG. 44

FIG. 44A



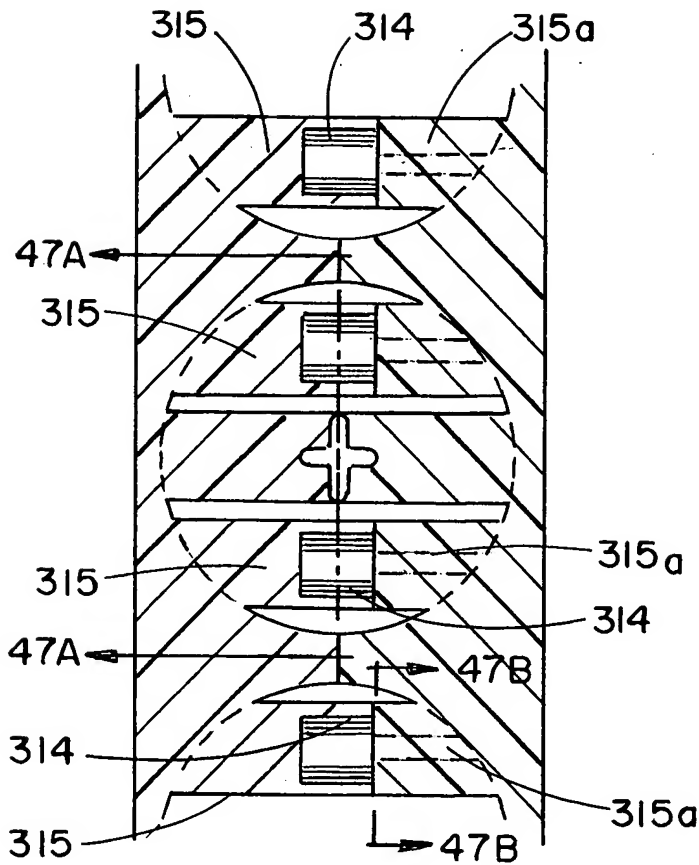


FIG. 46

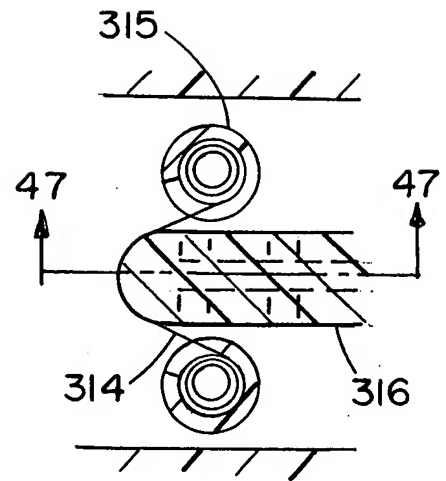
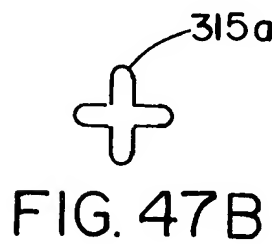


FIG. 47A

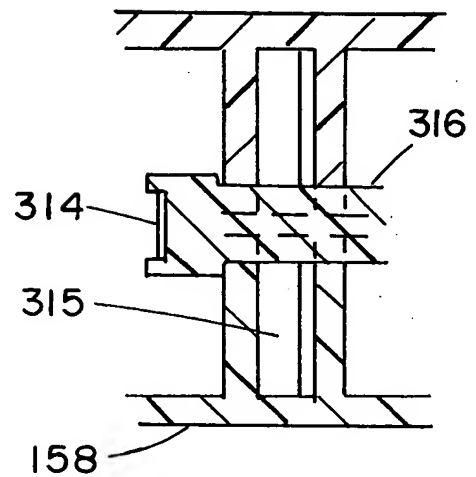


FIG. 47